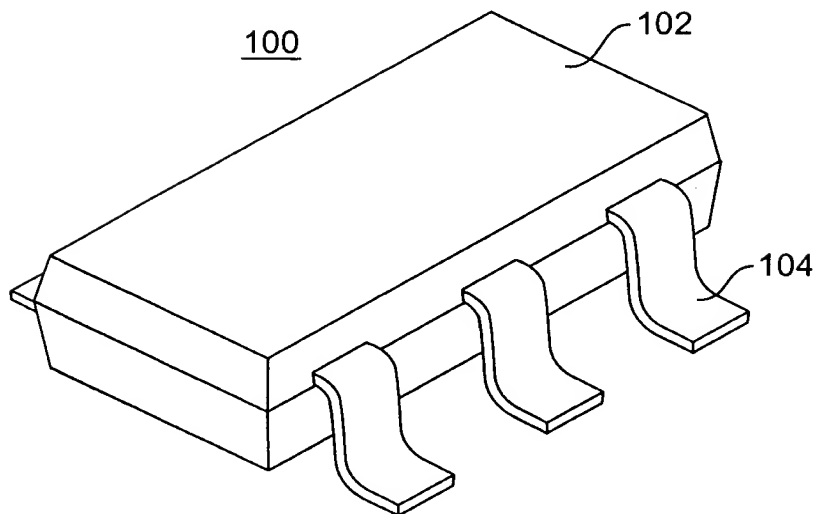


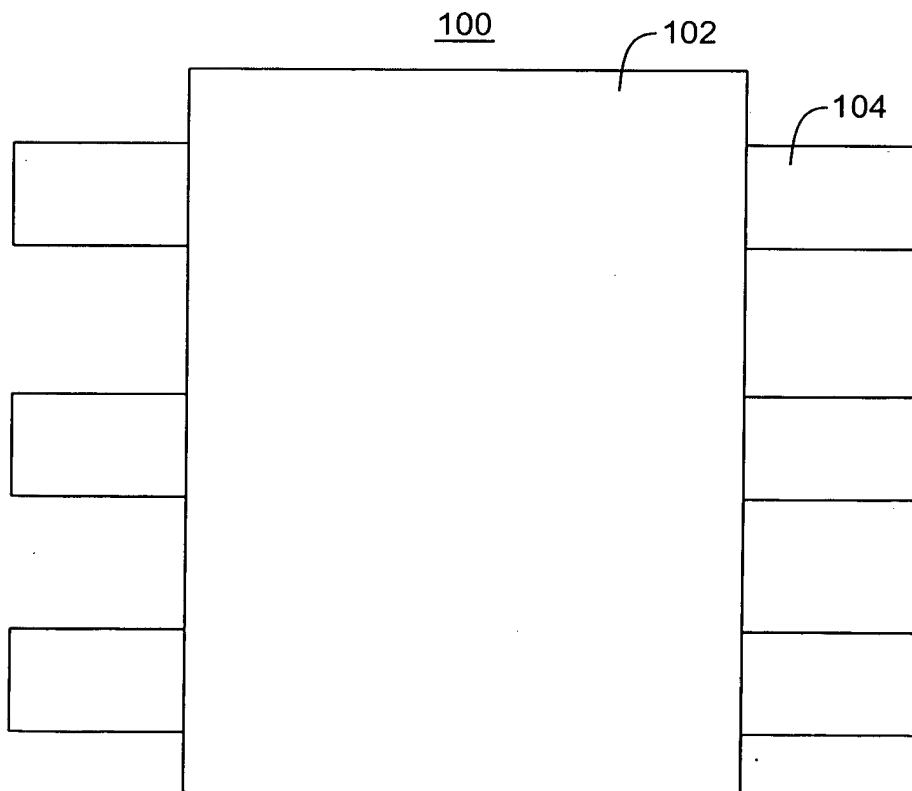


Title: Improved Surface Mount
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(PRIOR ART)
FIG. 1A

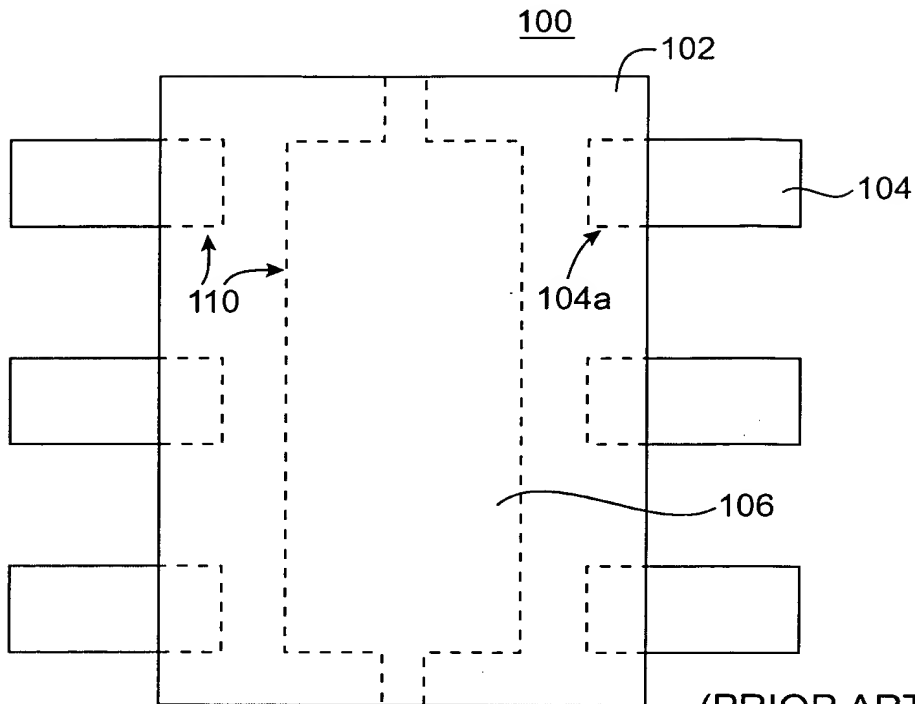


(PRIOR ART)
FIG. 1B

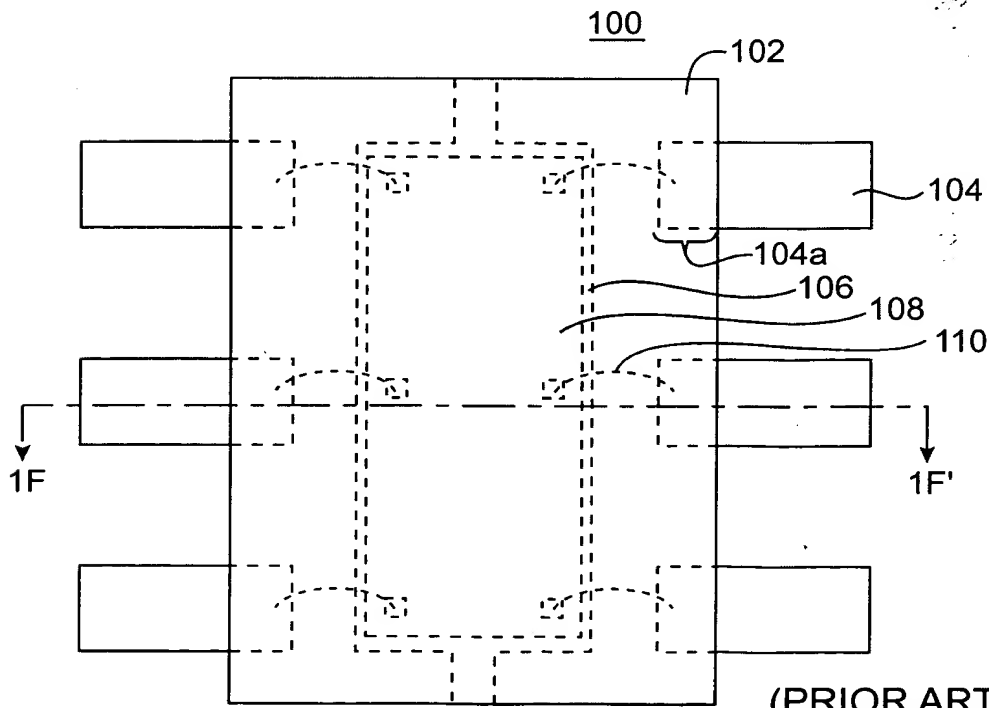


Title: Improved Surface Mount
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Inventors: James Harnden et al.
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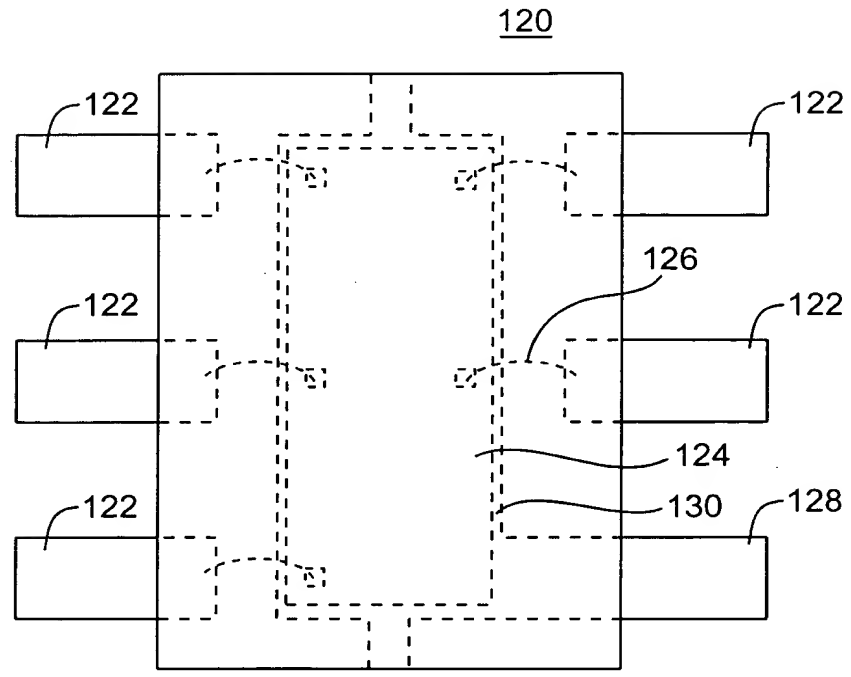
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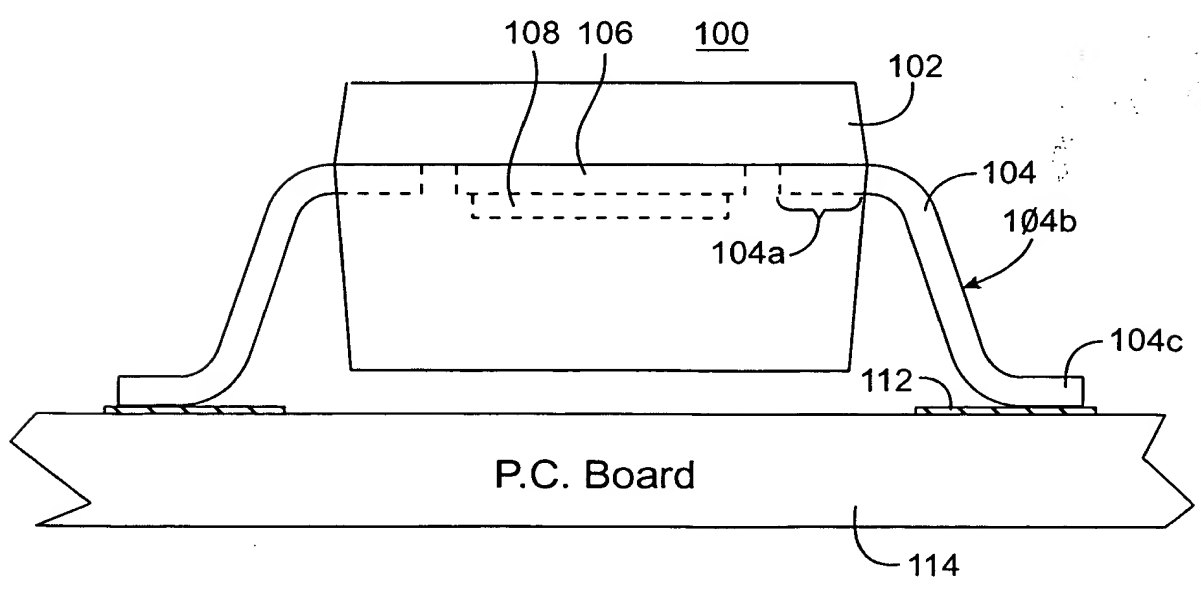
(PRIOR ART)
FIG. 1C



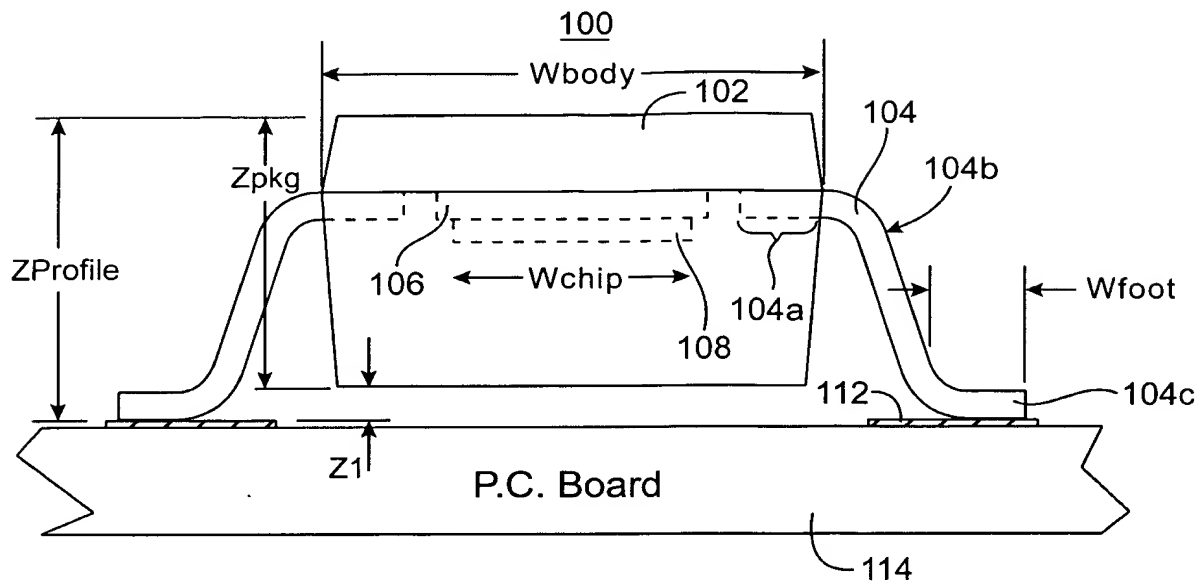
(PRIOR ART)
FIG. 1D



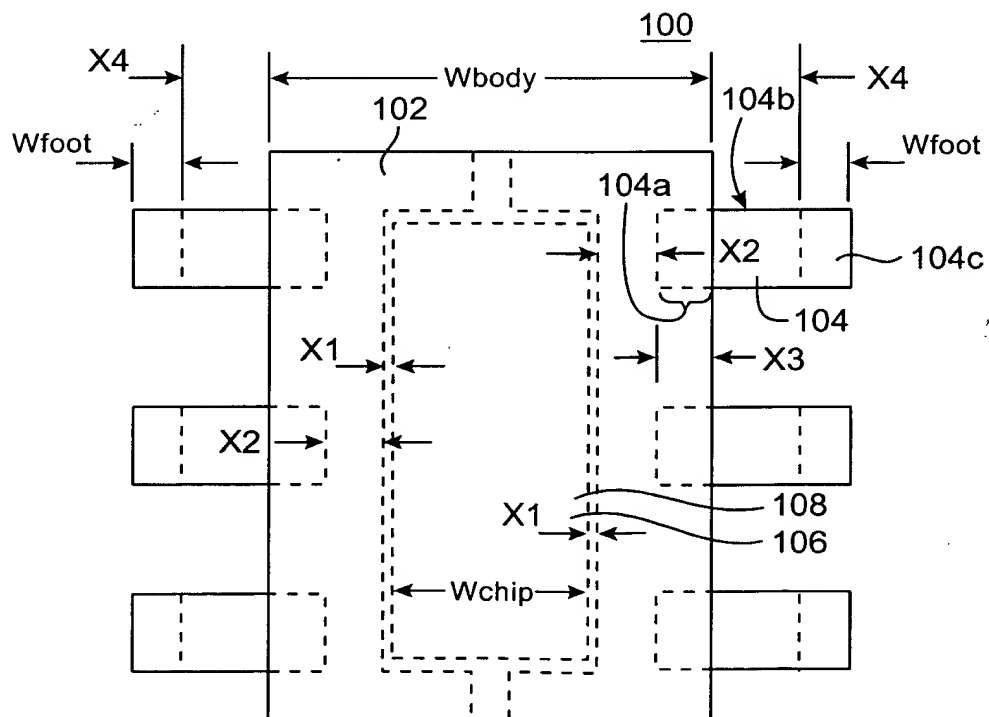
(PRIOR ART)
FIG. 1E



(PRIOR ART)
FIG. 1F



(PRIOR ART)
FIG. 2A

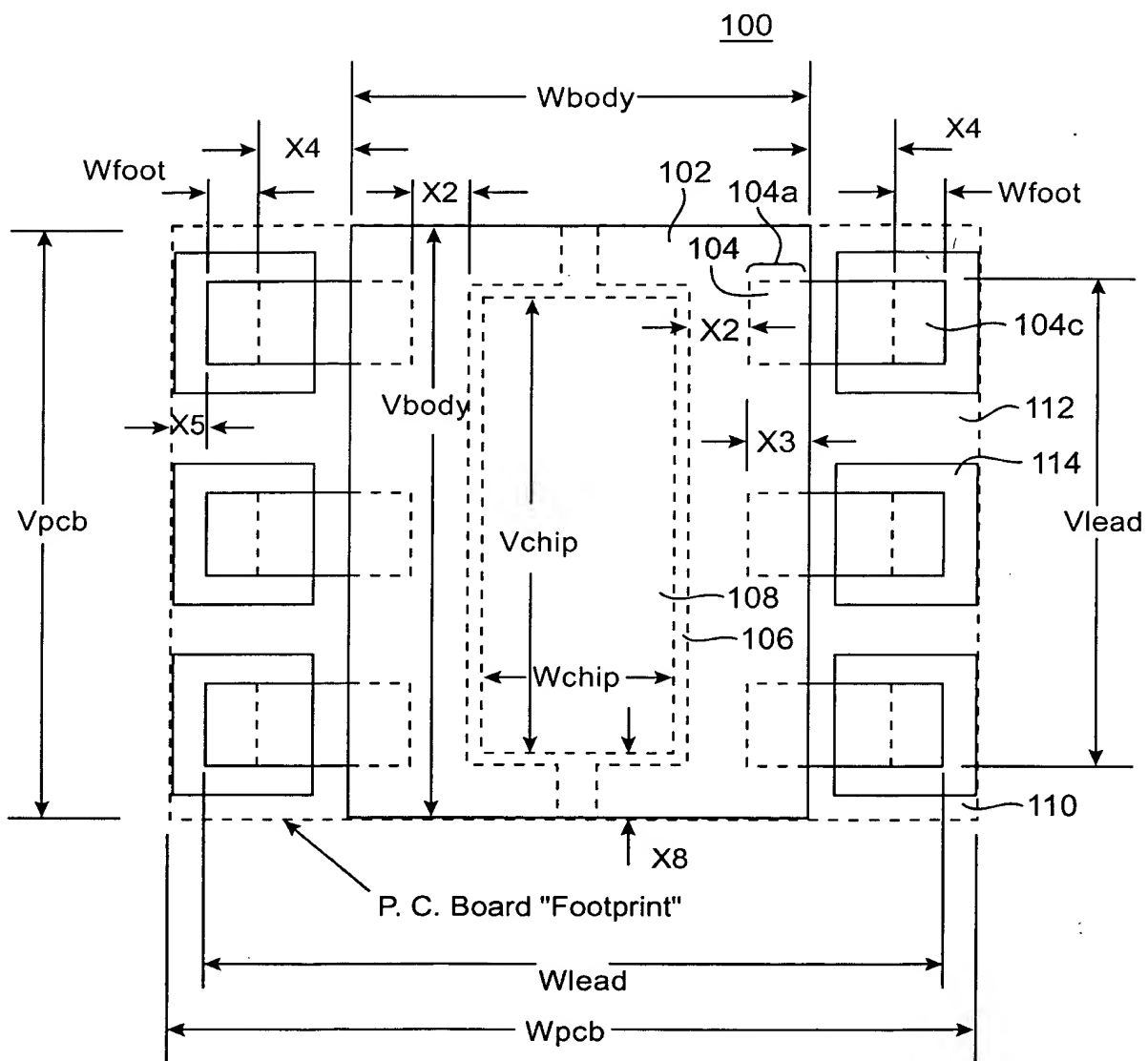


(PRIOR ART)
FIG. 2B



Title: Improved Surface Mount
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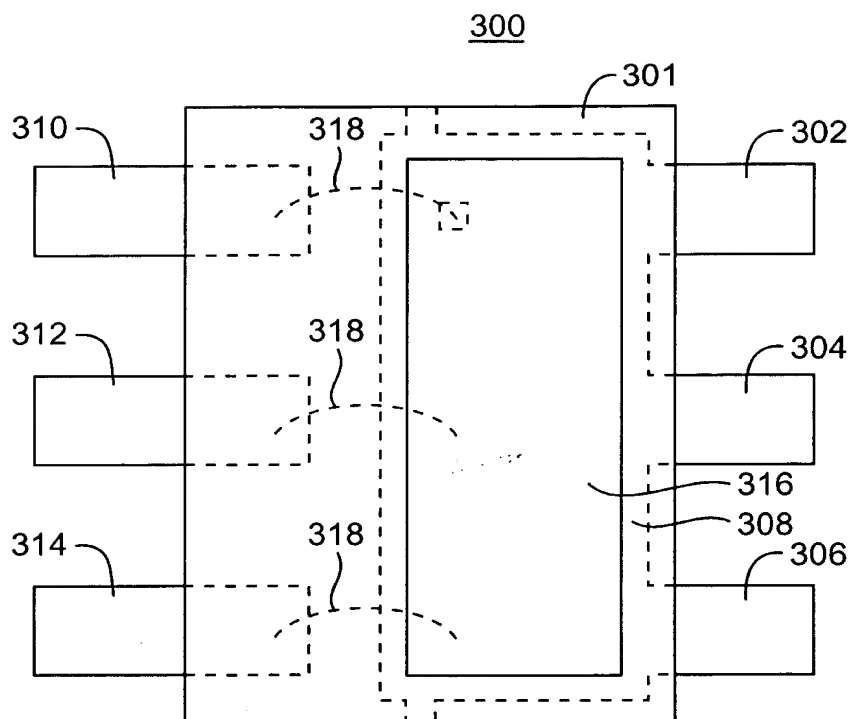


(PRIOR ART)
FIG. 2C



Title: Improved Surface Mount
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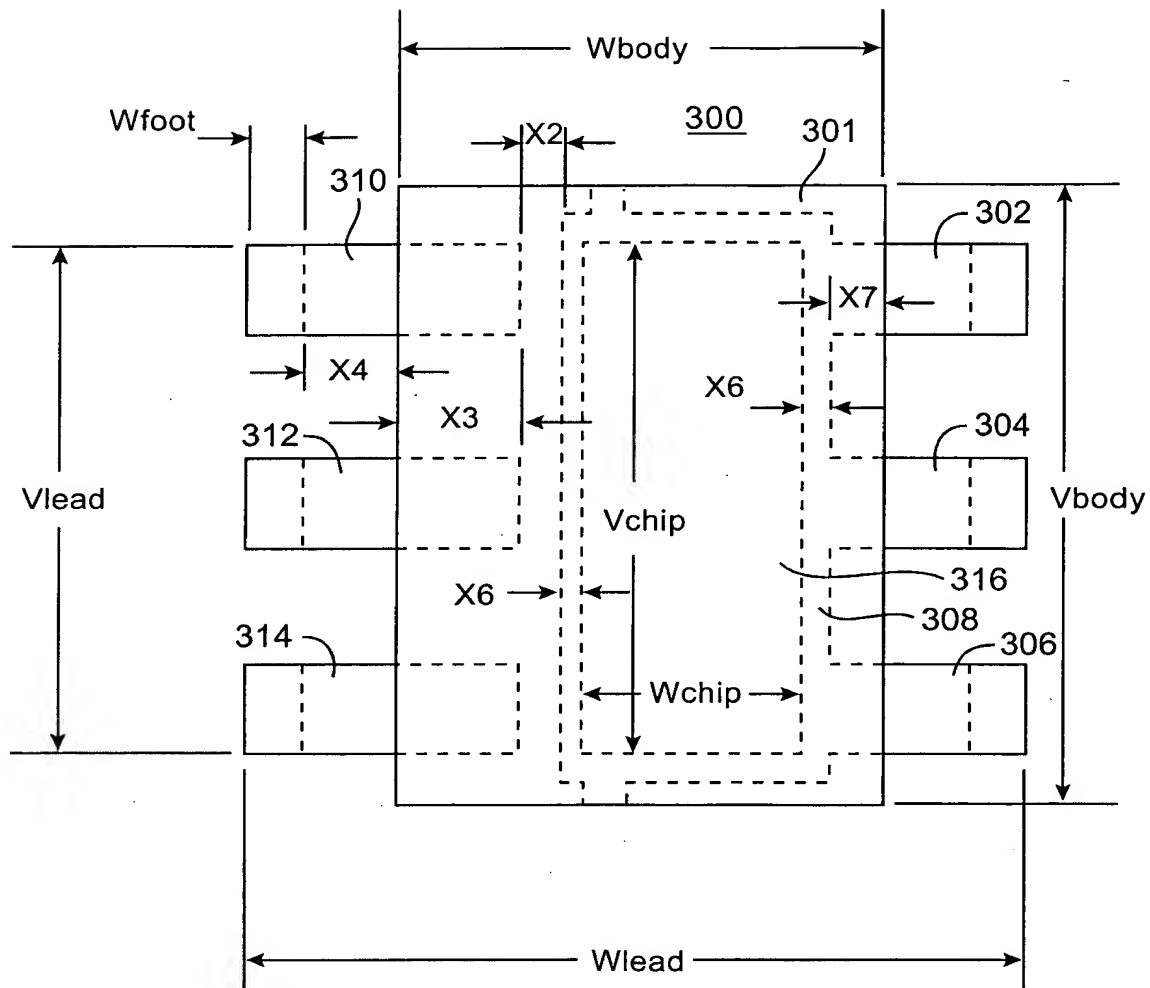


(PRIOR ART)
FIG. 3A



Title: Improved Surface Mount
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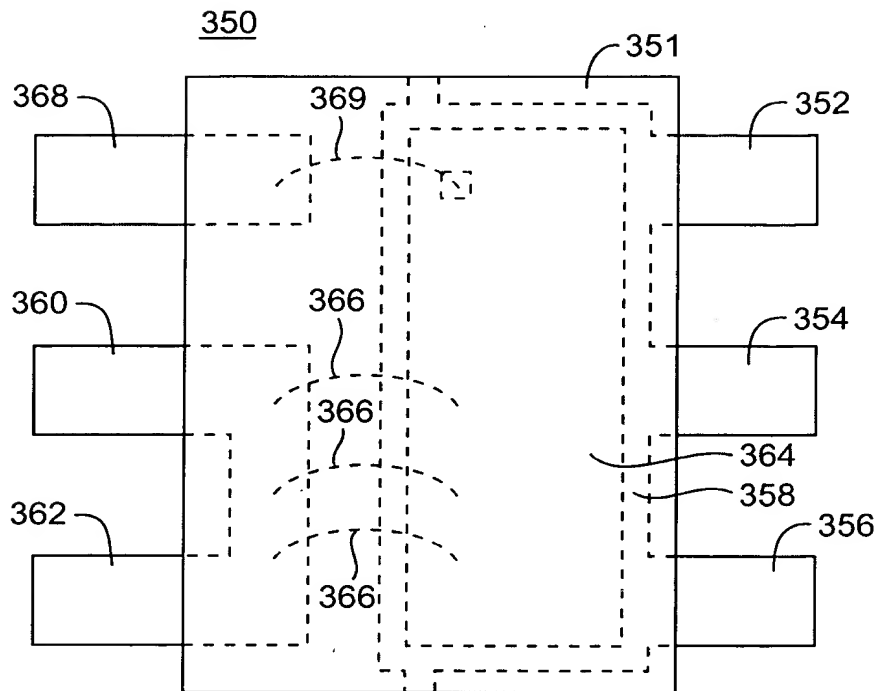


(PRIOR ART)
FIG. 3B



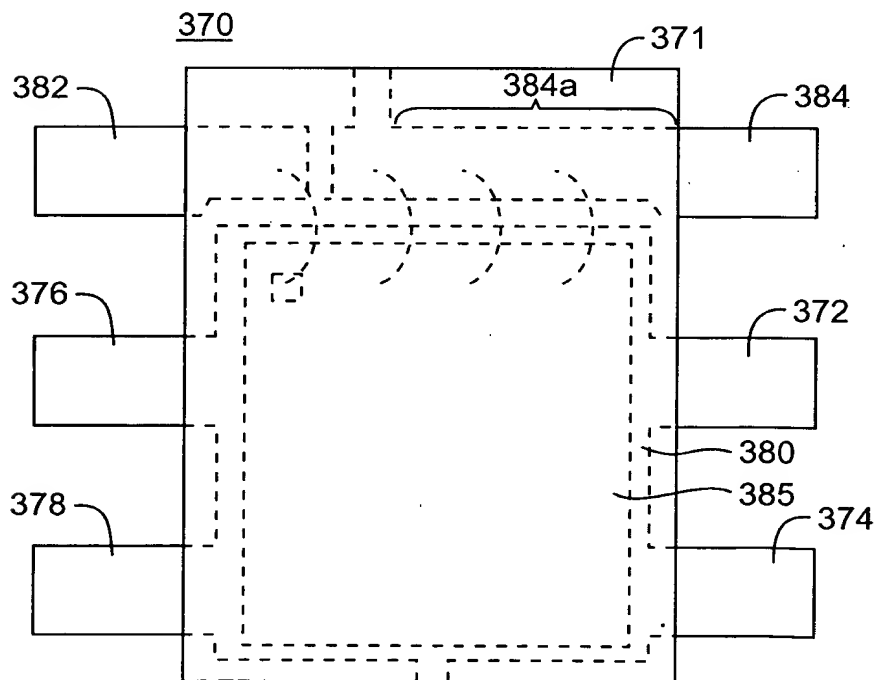
Title: Improved Surface Mount
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Inventors: James Harnden et al.
Application No.: 09/895,478
Attorney Docket: 020964-000210US
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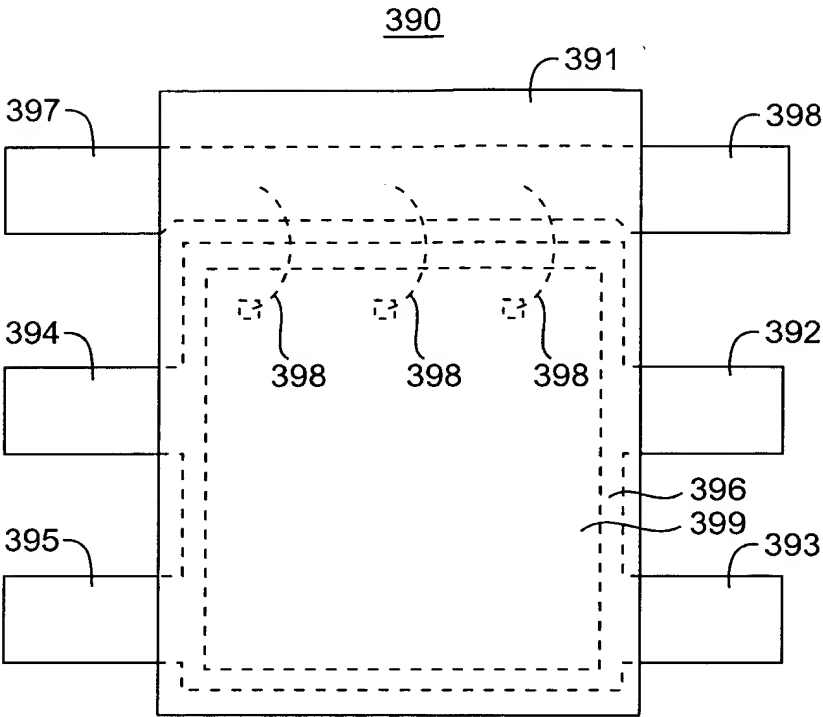
(PRIOR ART)

FIG. 3C

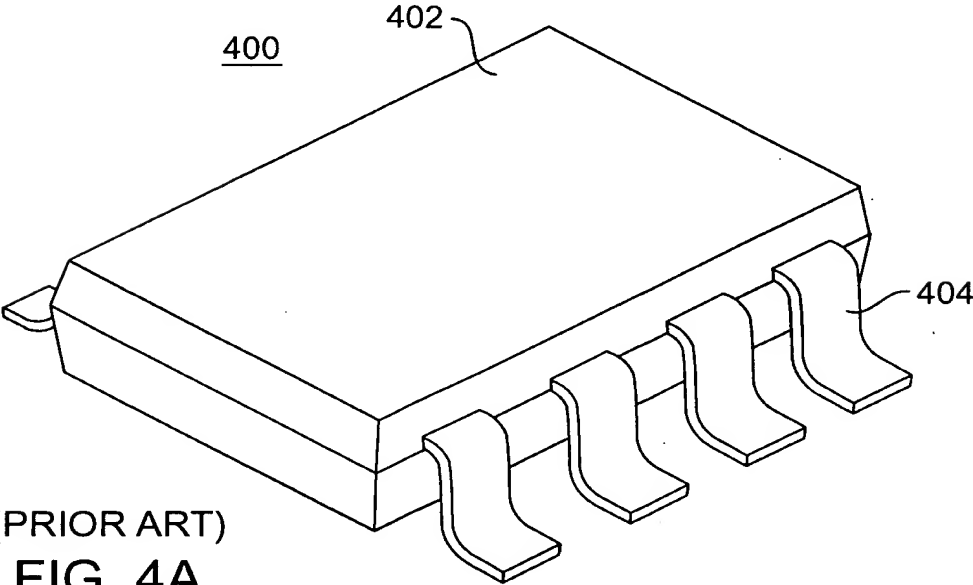


(PRIOR ART)

FIG. 3D



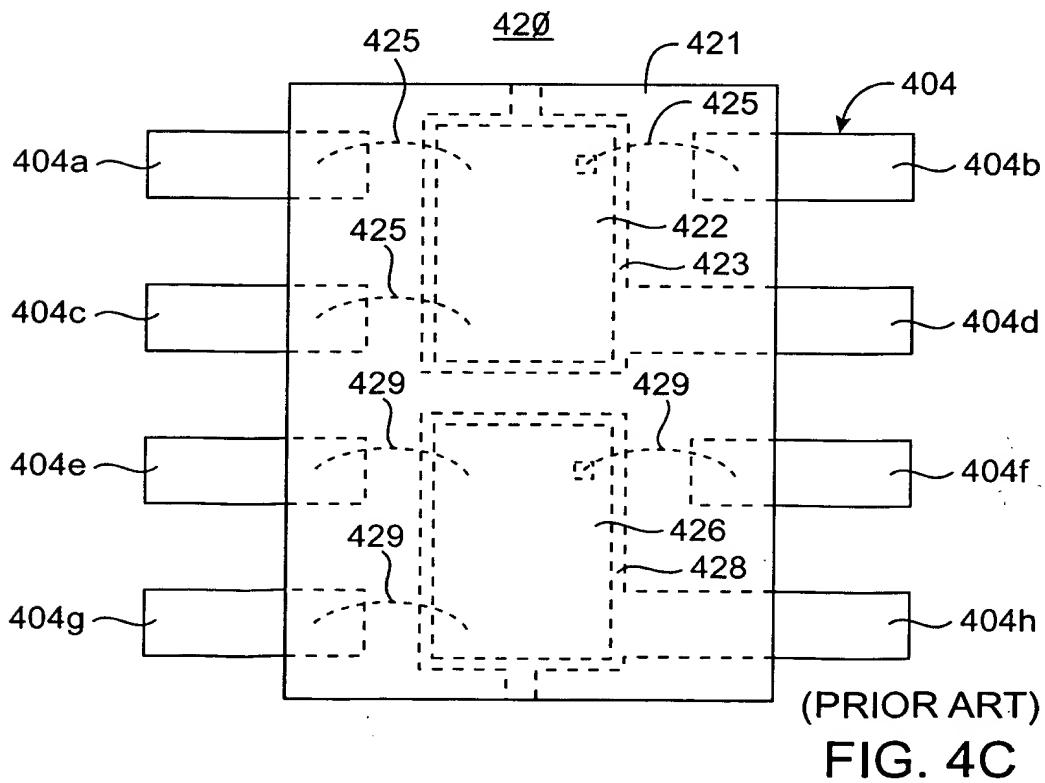
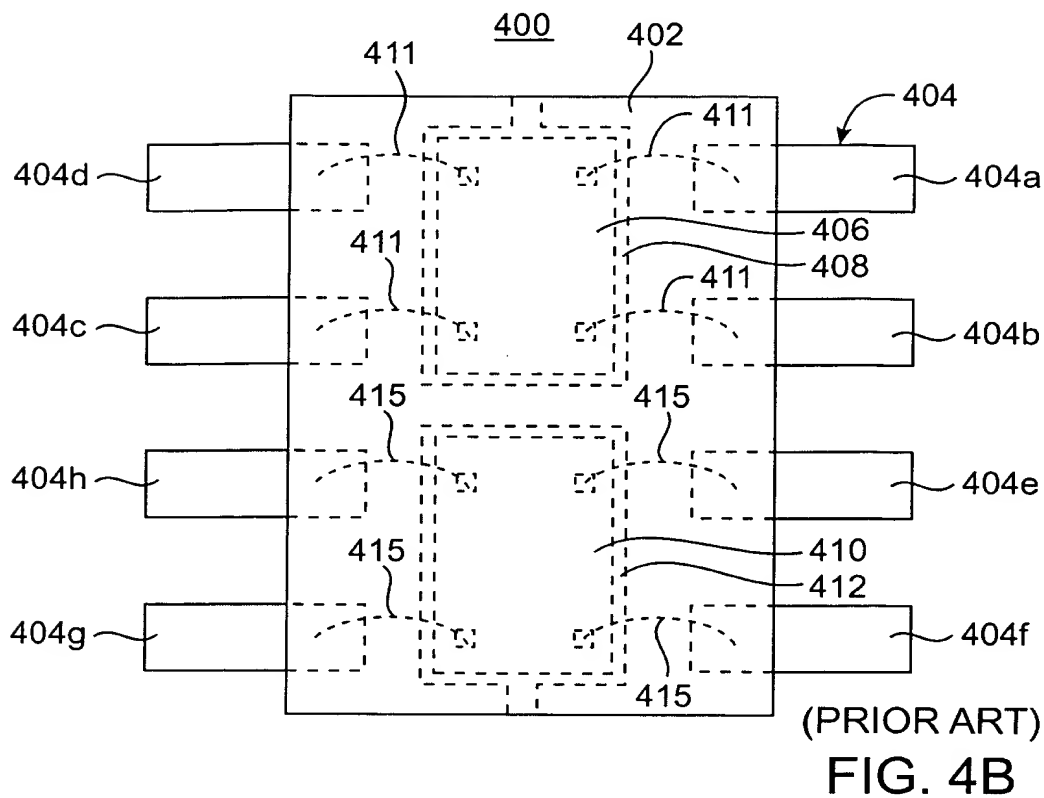
(PRIOR ART)
FIG. 3E

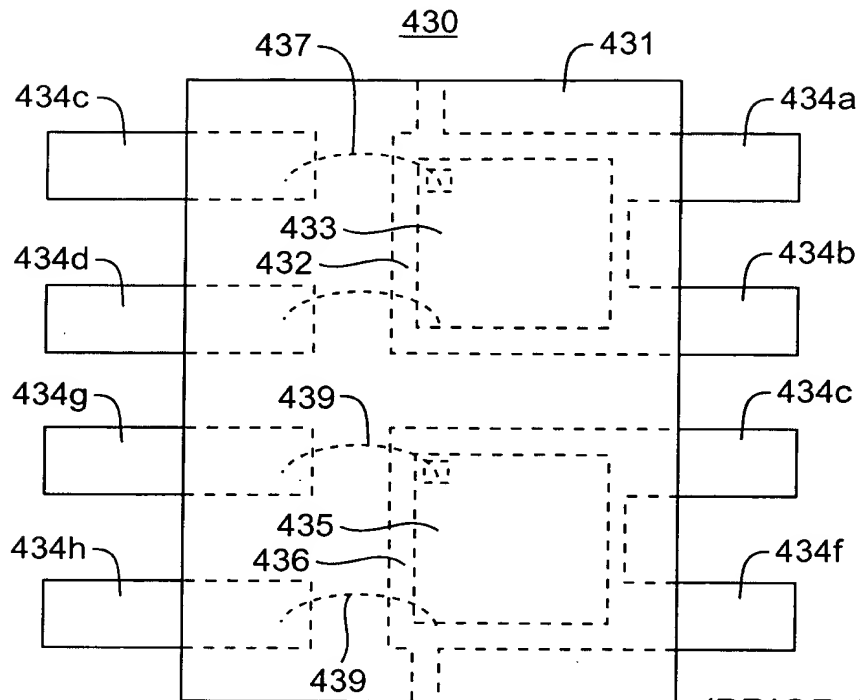


(PRIOR ART)
FIG. 4A

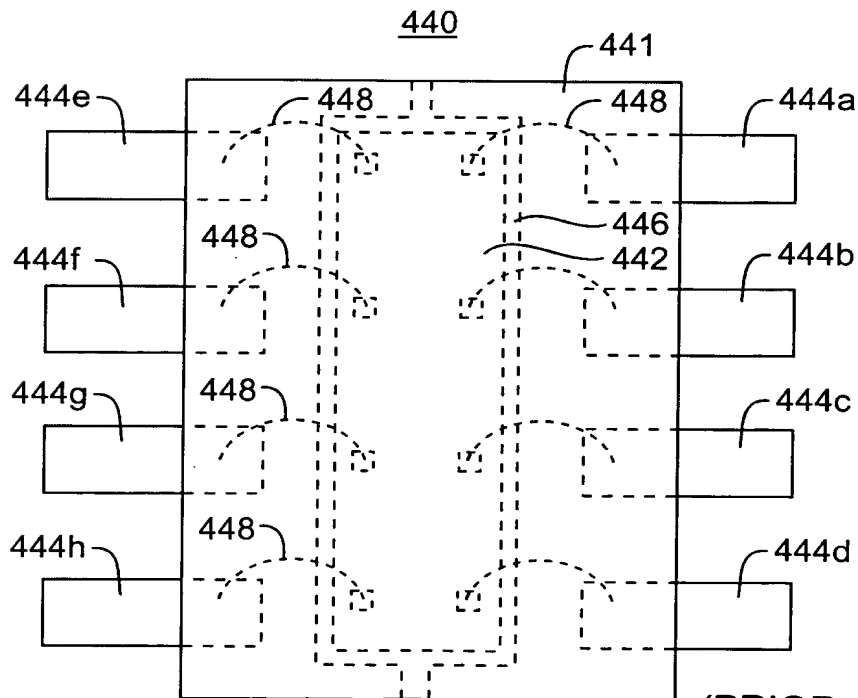


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(PRIOR ART)
FIG. 4D



(PRIOR ART)
FIG. 4E



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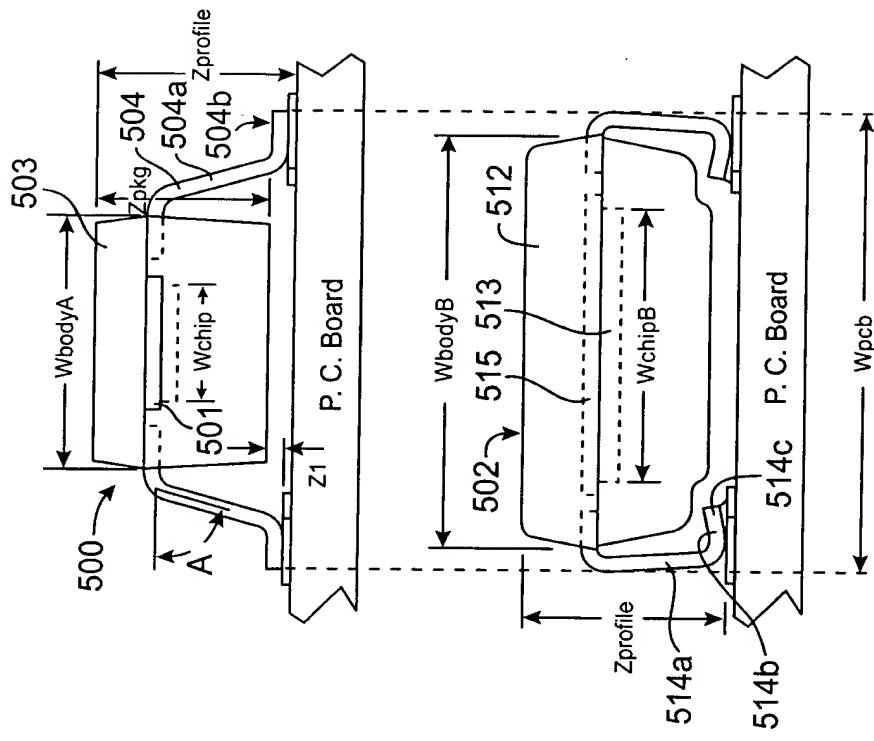
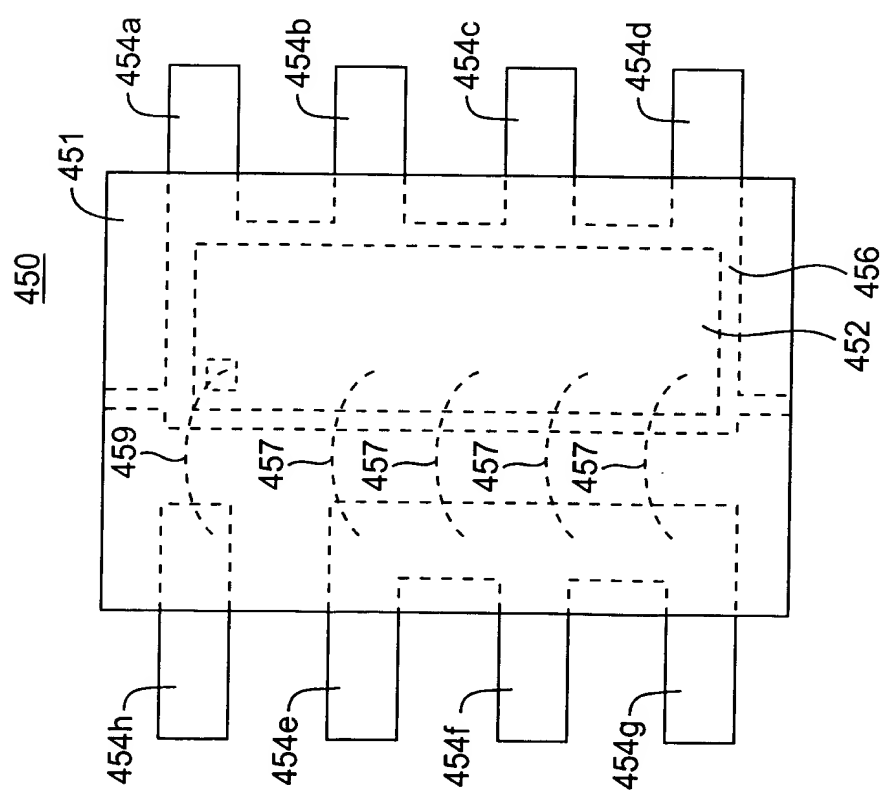


FIG. 5A



(PRIOR ART)
FIG. 4F

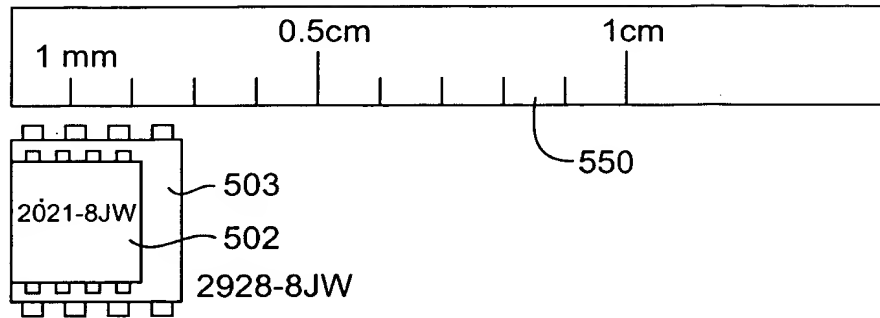


FIG. 5B

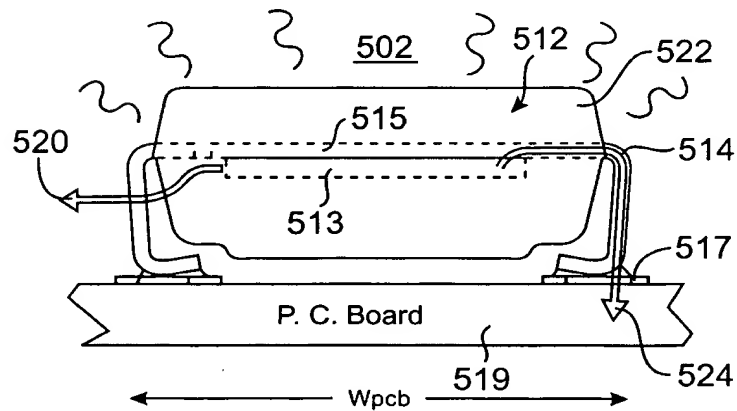


FIG. 5C



Title: Improved Surface Mount
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Inventors: James Harnden et al.
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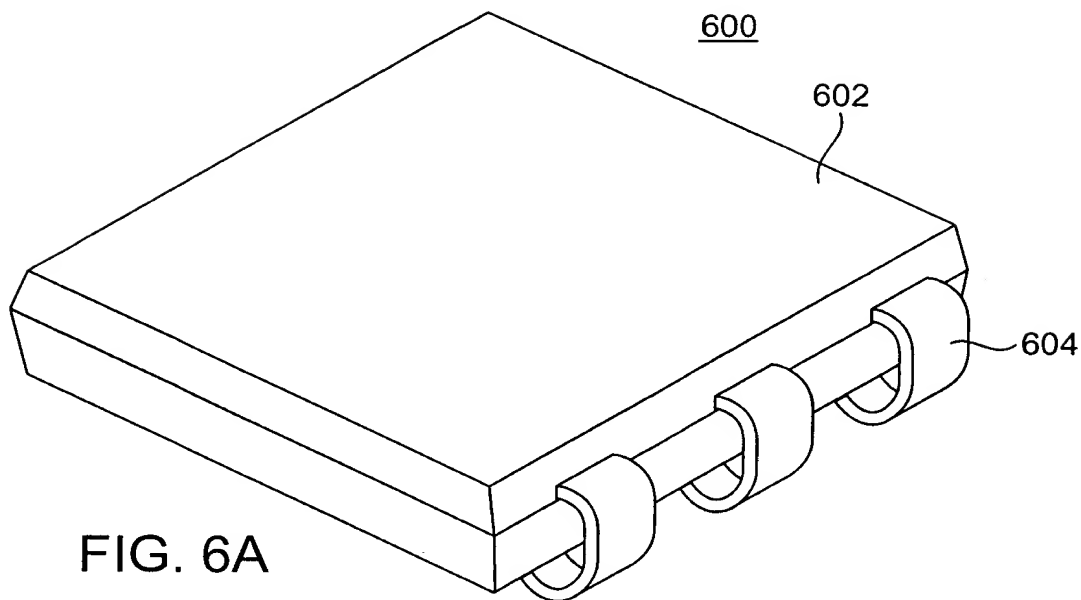


FIG. 6A

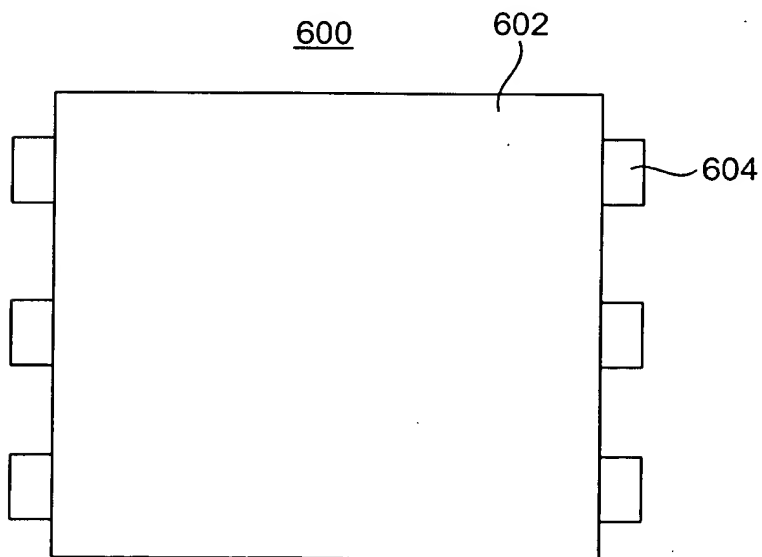


FIG. 6B



Title: Improved Surface Mount
Package
Inventors: James Harnden et al.
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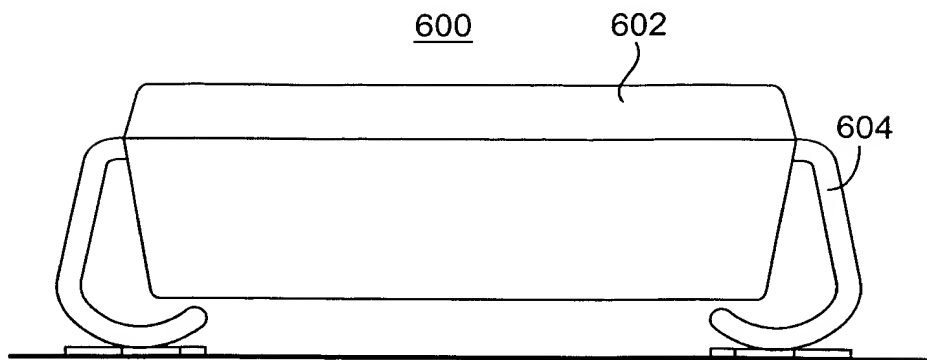


FIG. 6C

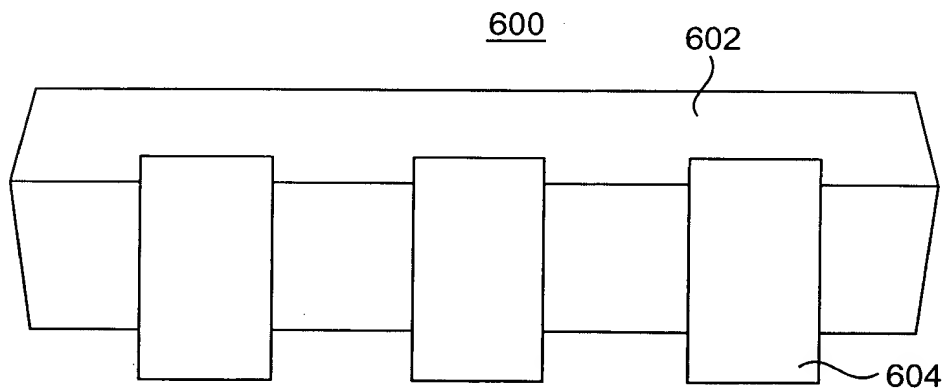


FIG. 6D

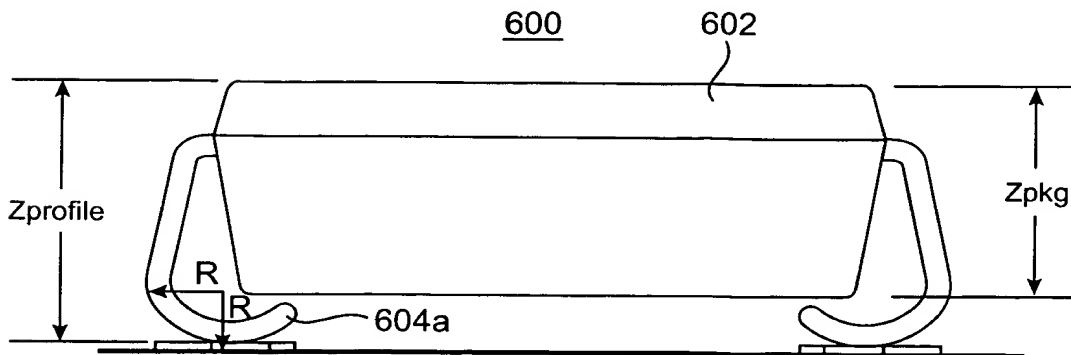
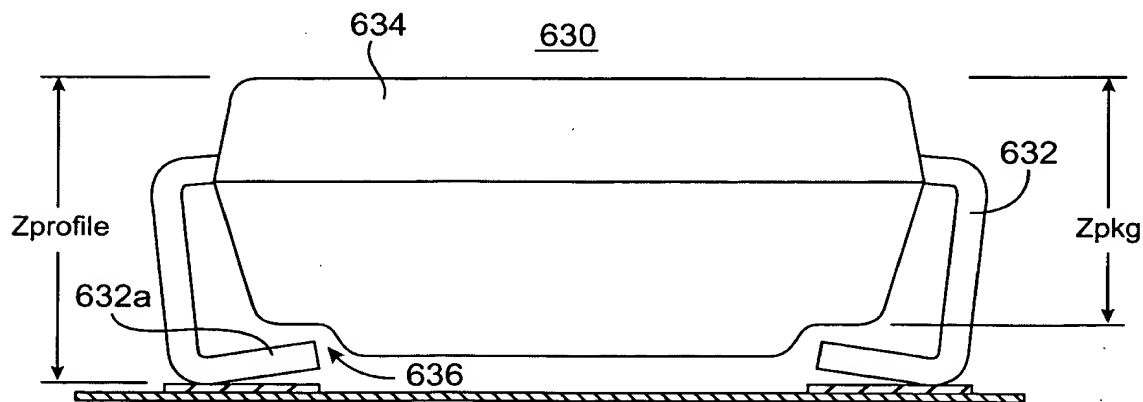
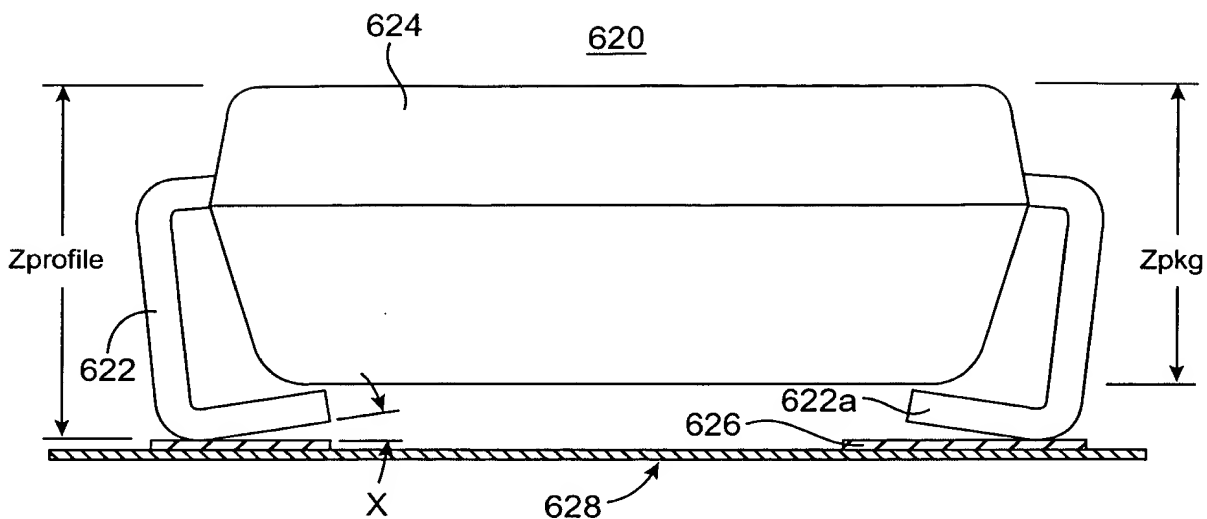


FIG. 6E



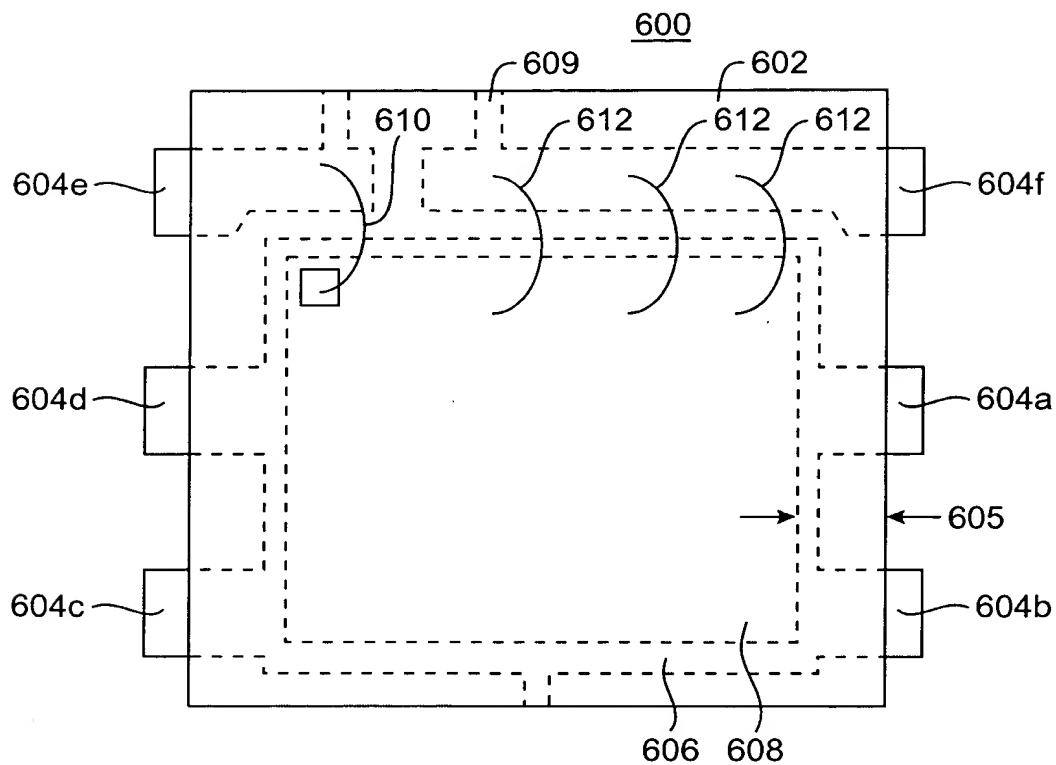


FIG. 6H

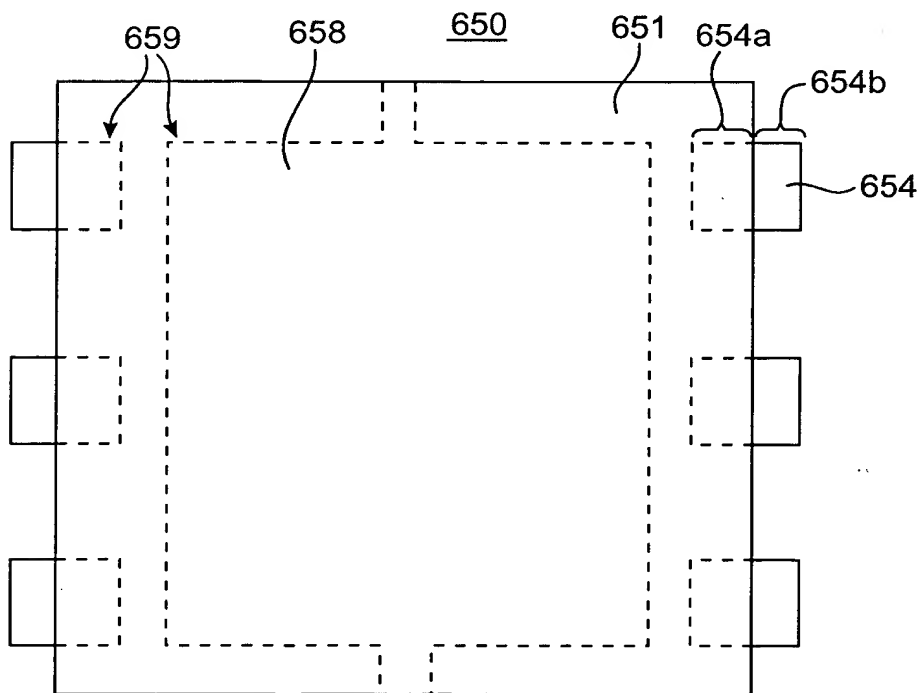


FIG. 6I

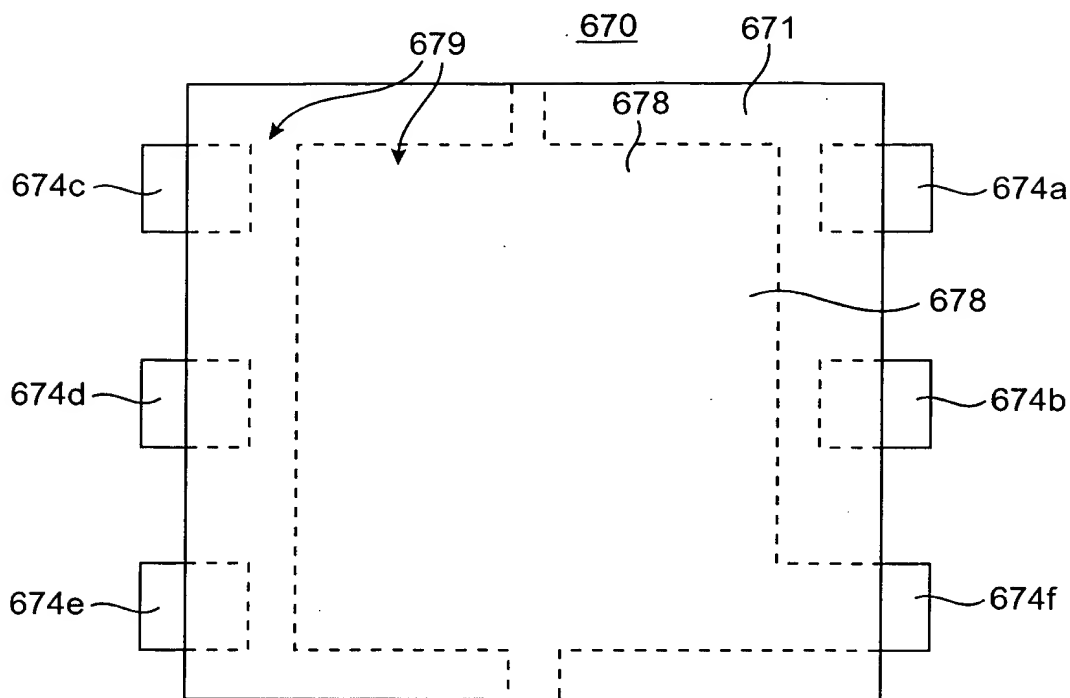


FIG. 6J

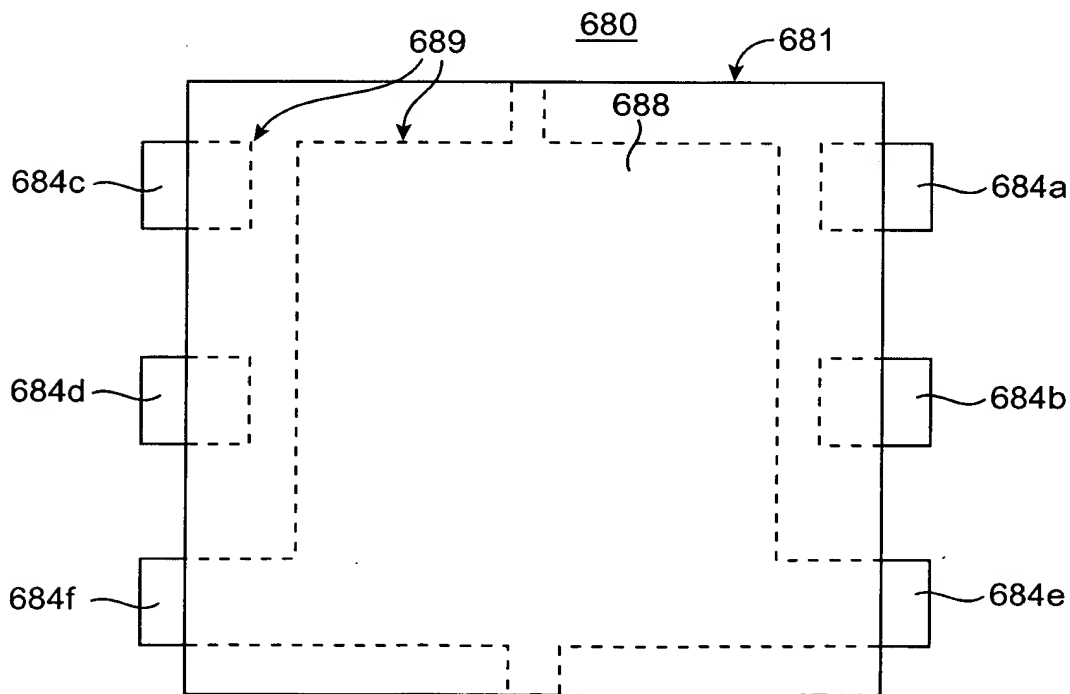


FIG. 6K

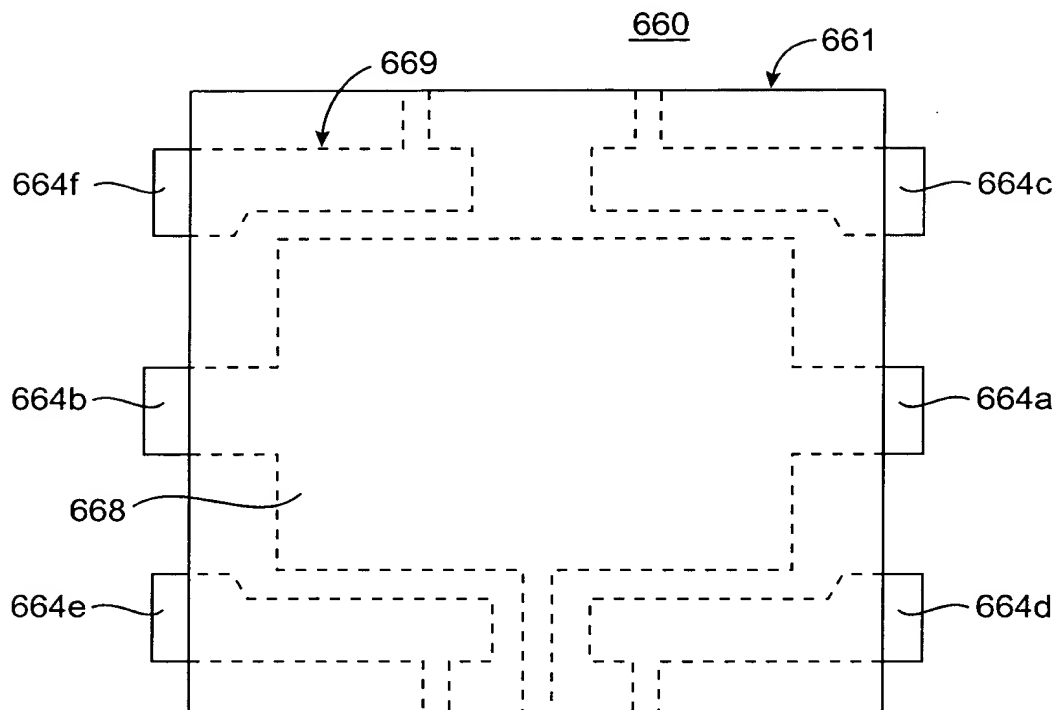
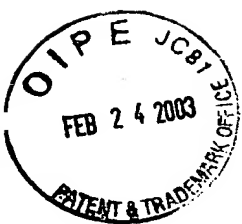


FIG. 6L

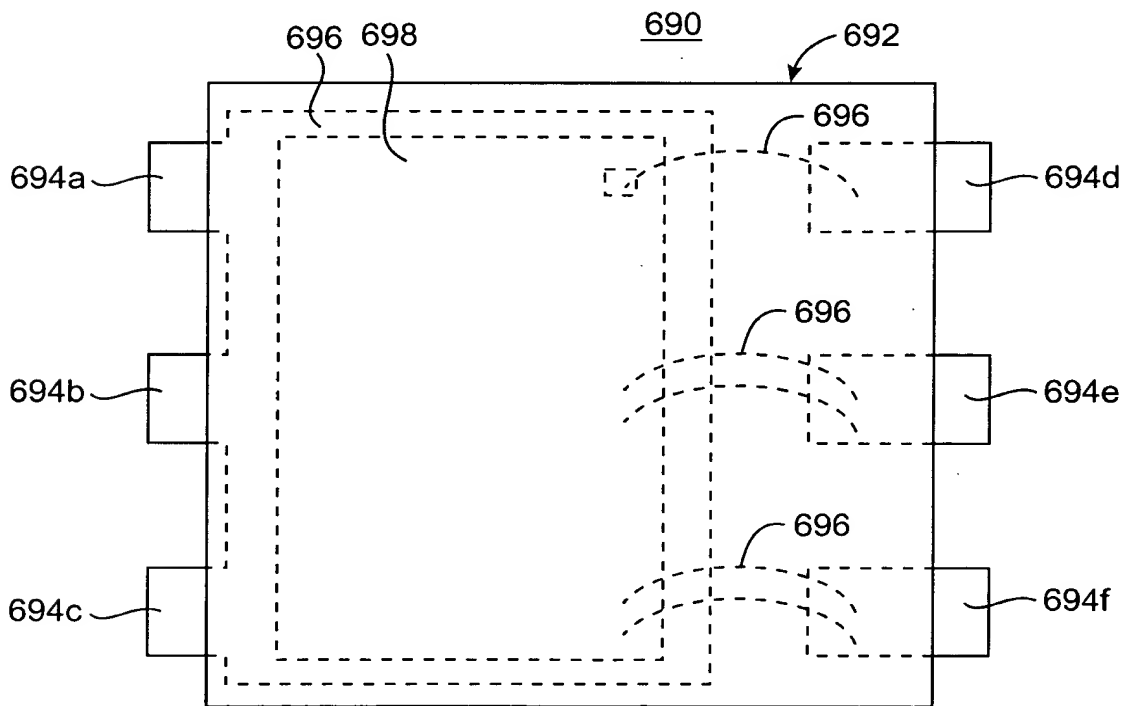


FIG. 6M



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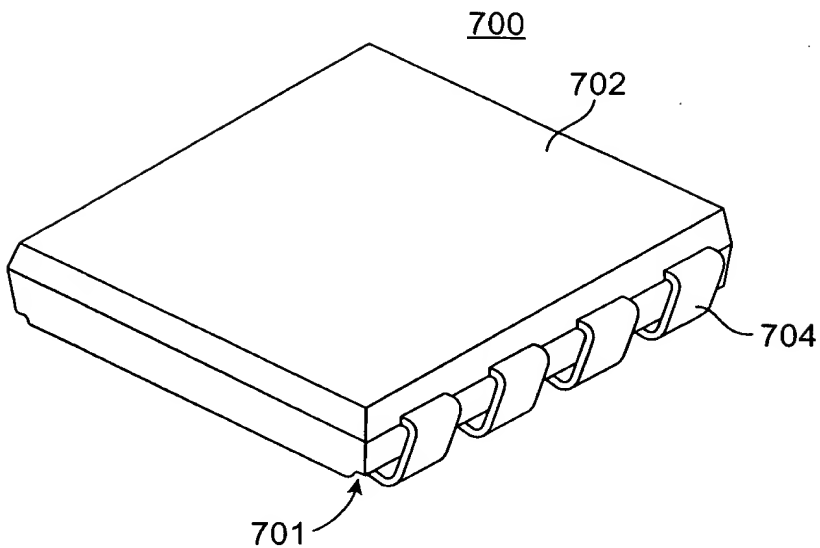


FIG. 7A

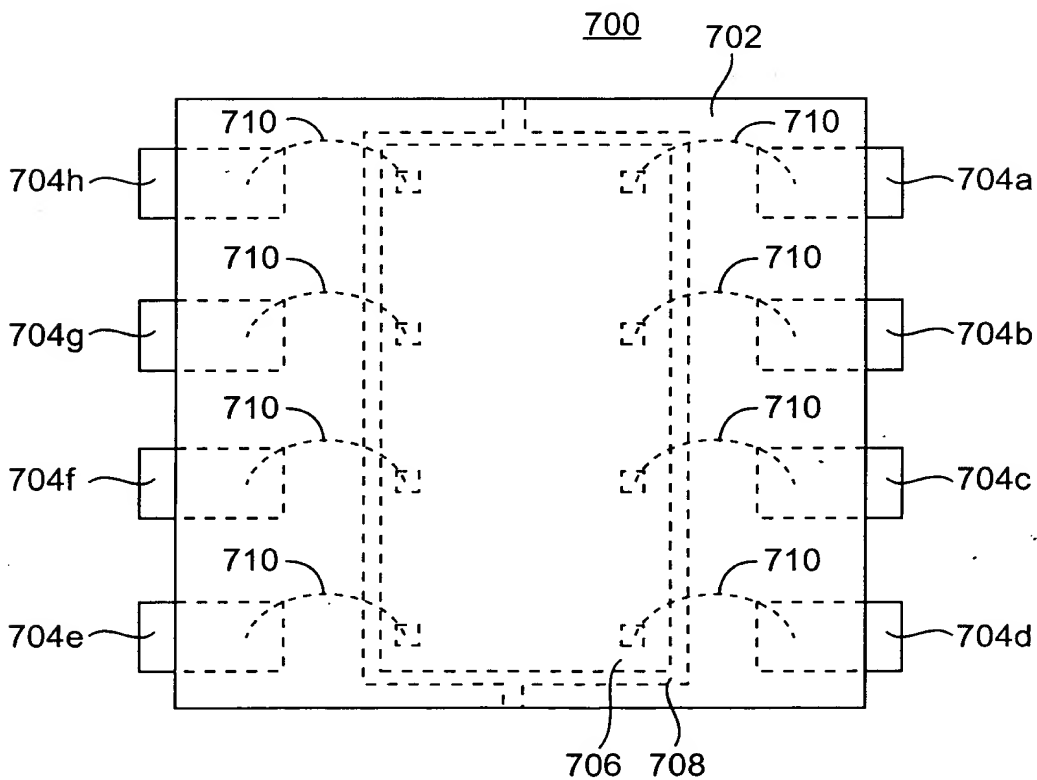


FIG. 7B



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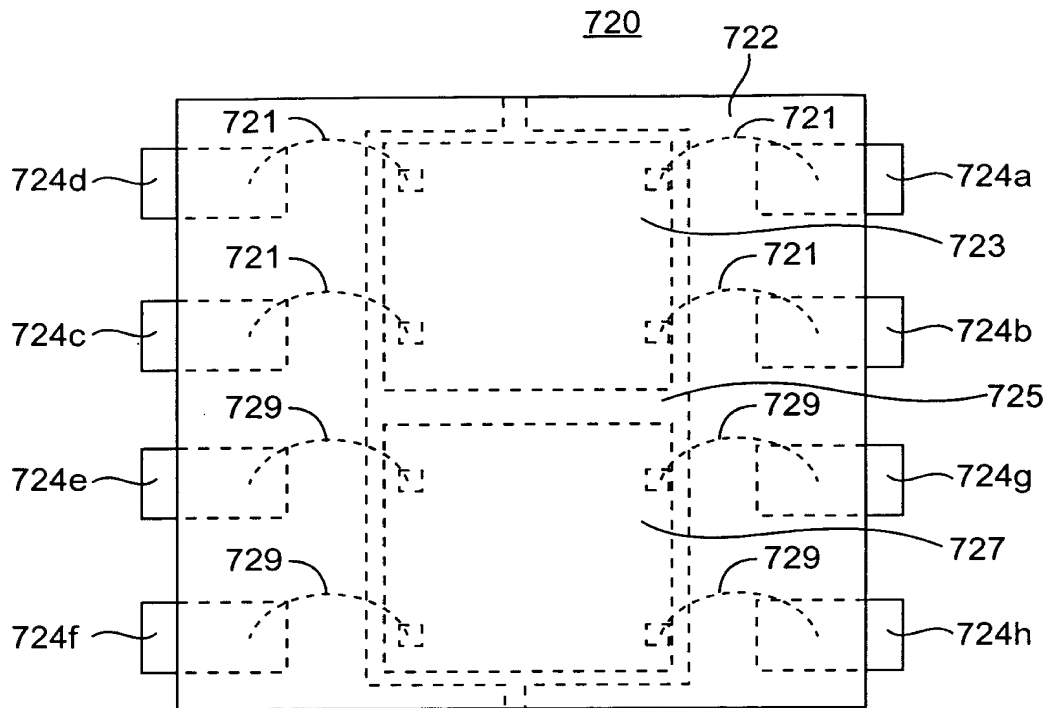


FIG. 7C

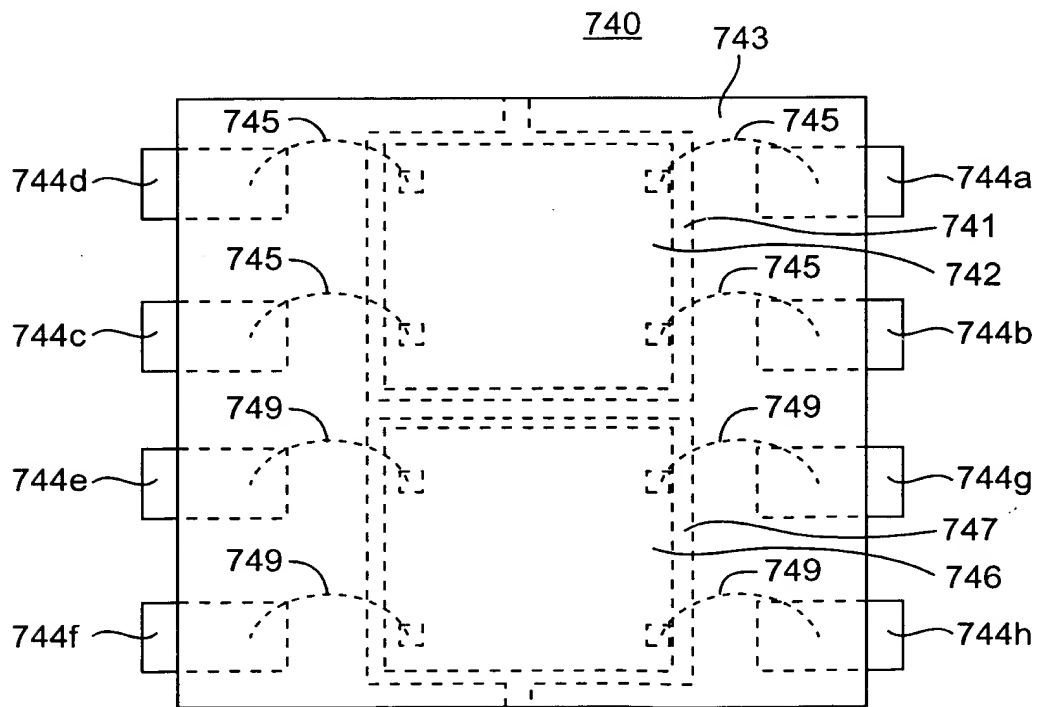


FIG. 7D



Title: Improved Surface Mount
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Inventors: James Harnden et al.
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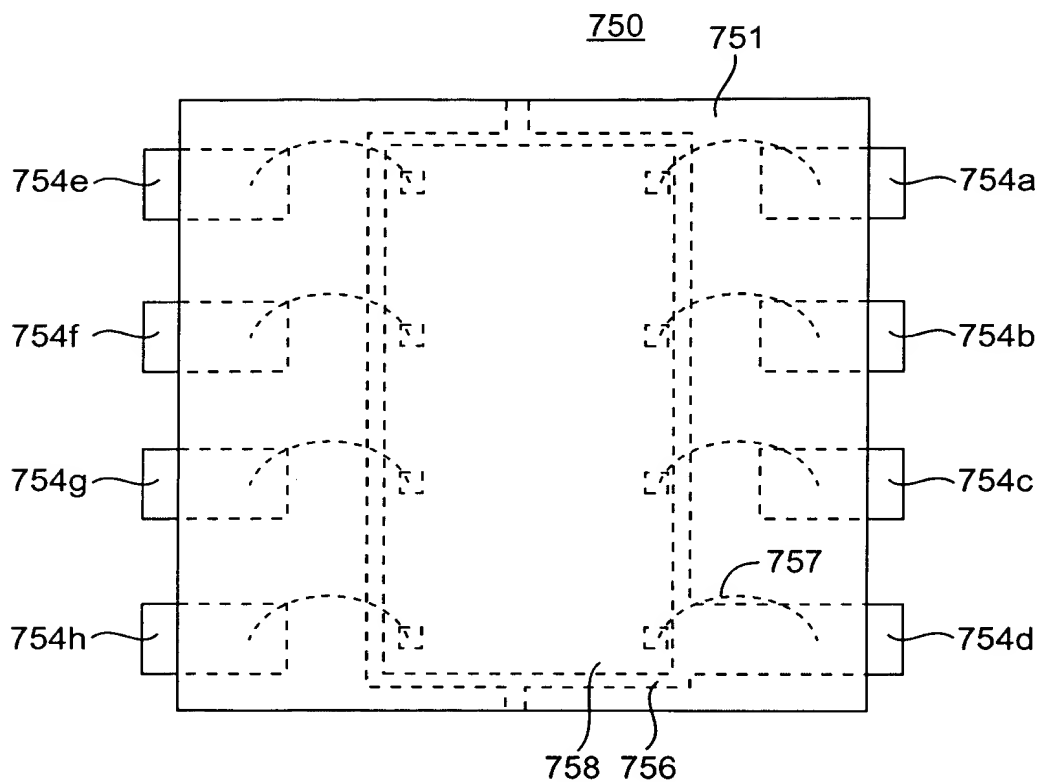


FIG. 7E

[illegible]

FIG. 7G

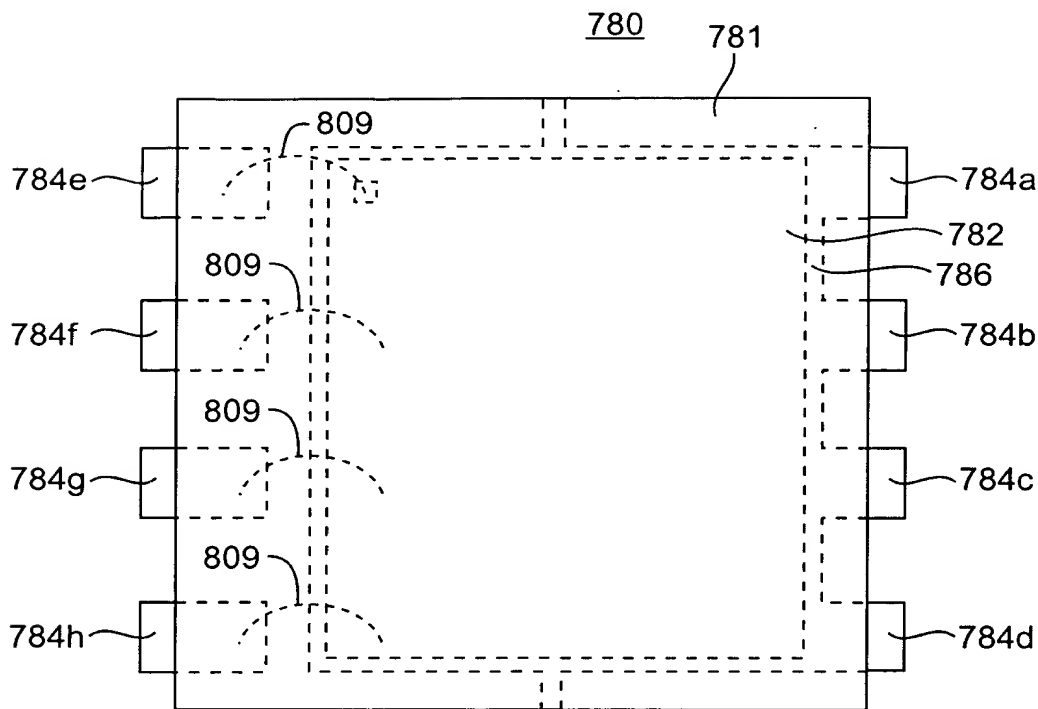


FIG. 8A

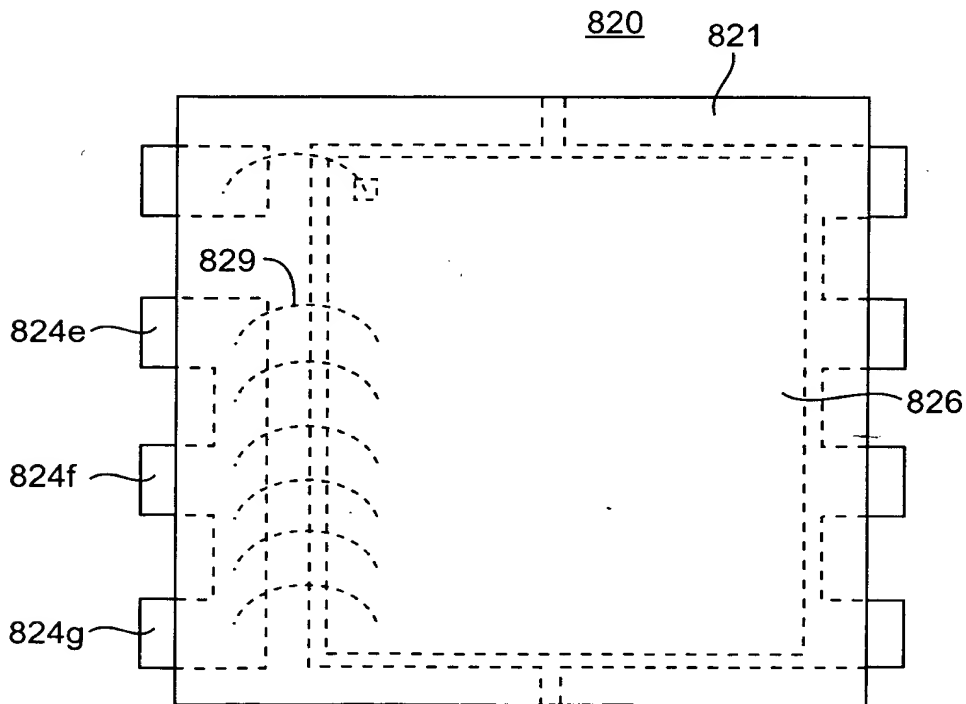


FIG. 8B



Title: Improved Surface Mount
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Inventors: James Harnden et al.
Application No.: 09/895,478
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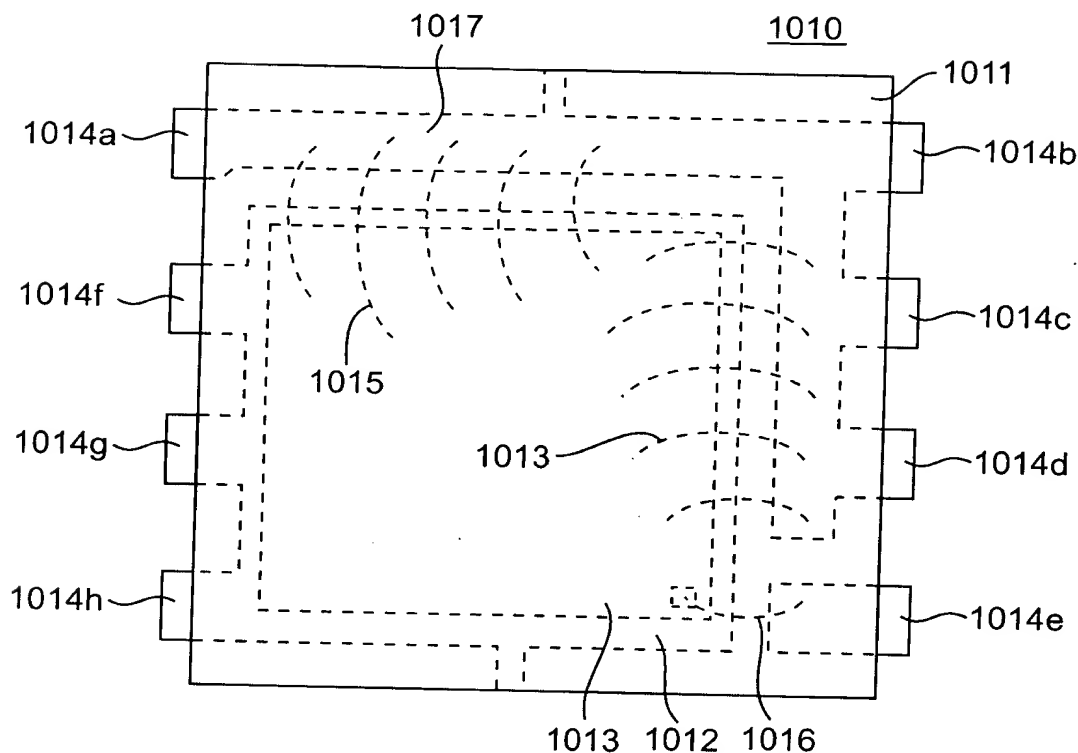


FIG. 8C

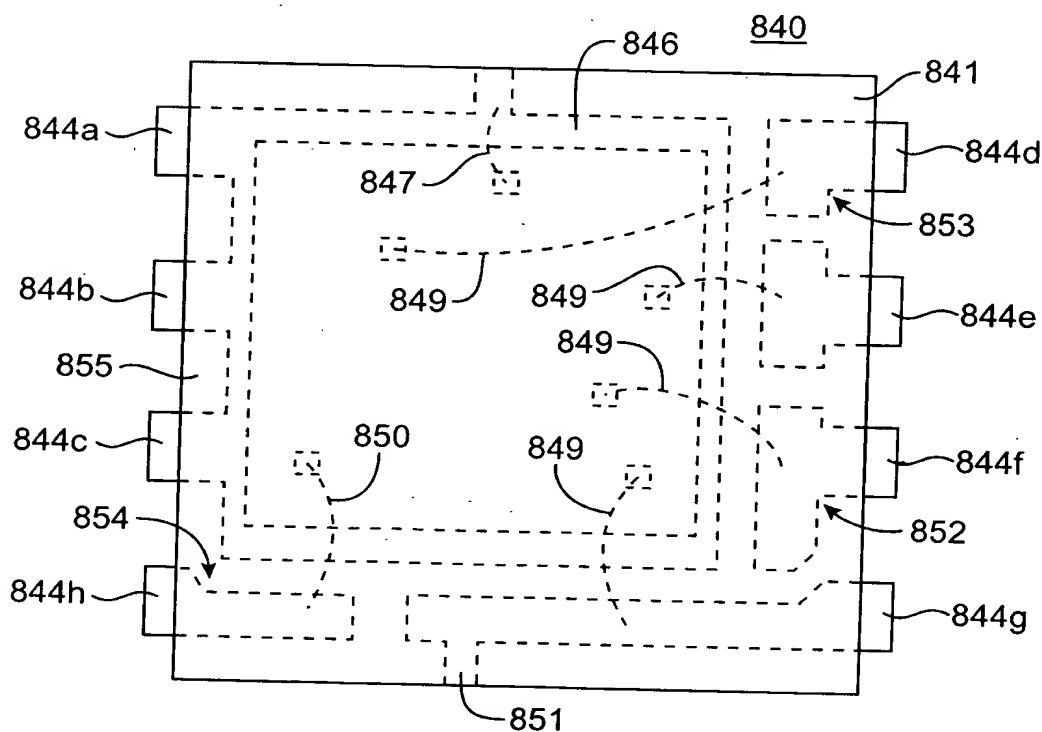
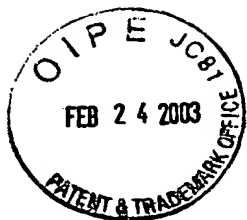


FIG. 8D



Title: Improved Surface Mount
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 Inventors: James Harnden et al.
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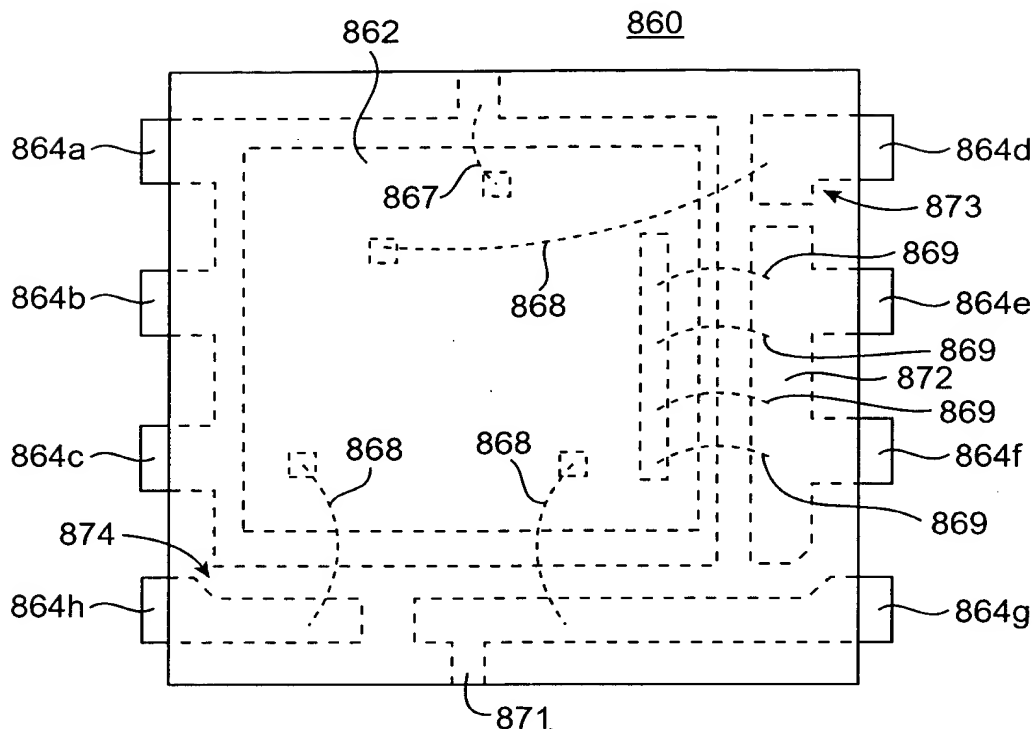


FIG. 8E

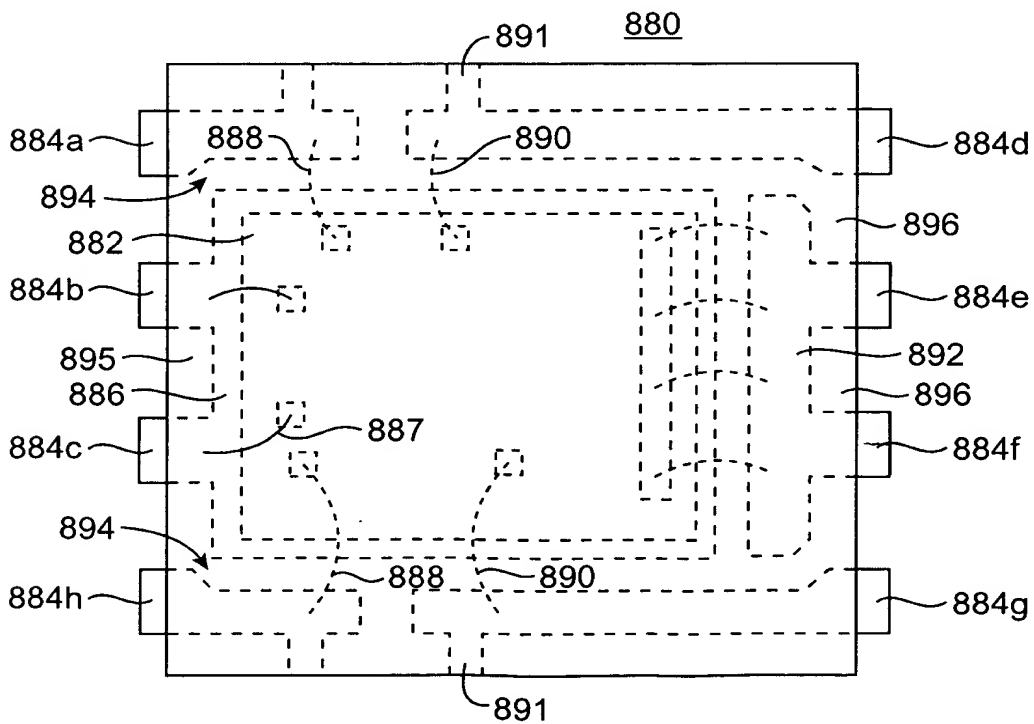
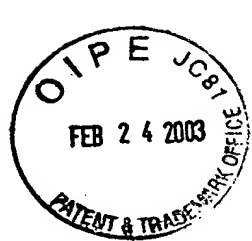


FIG. 8F



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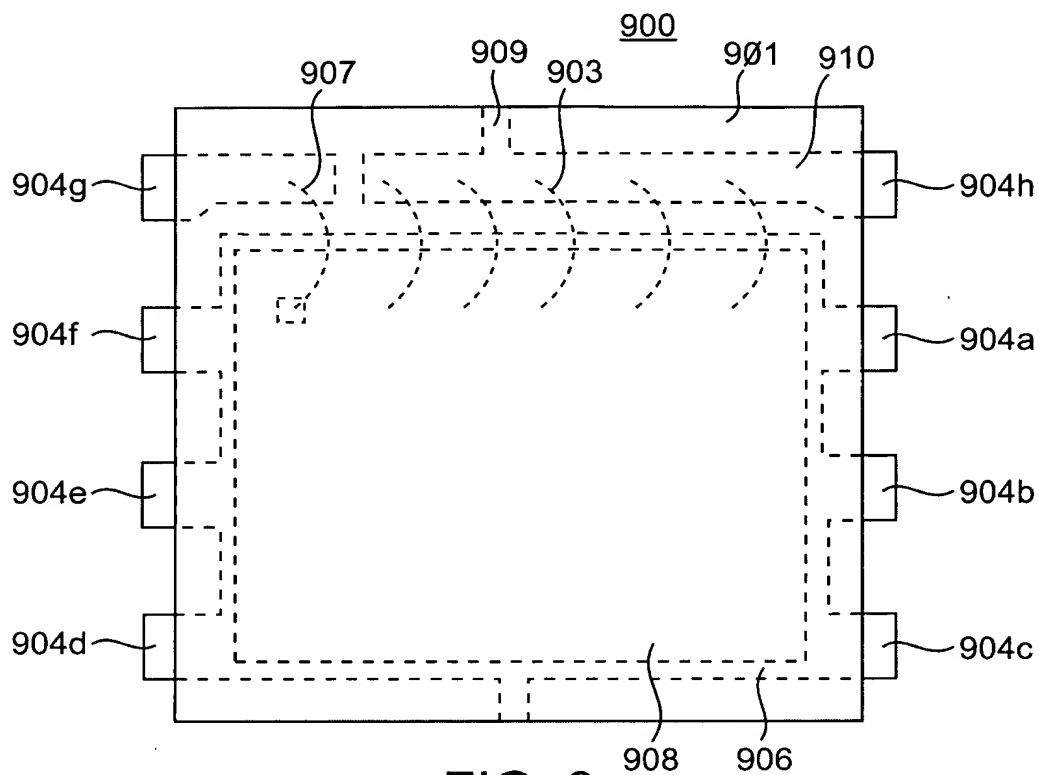


FIG. 9

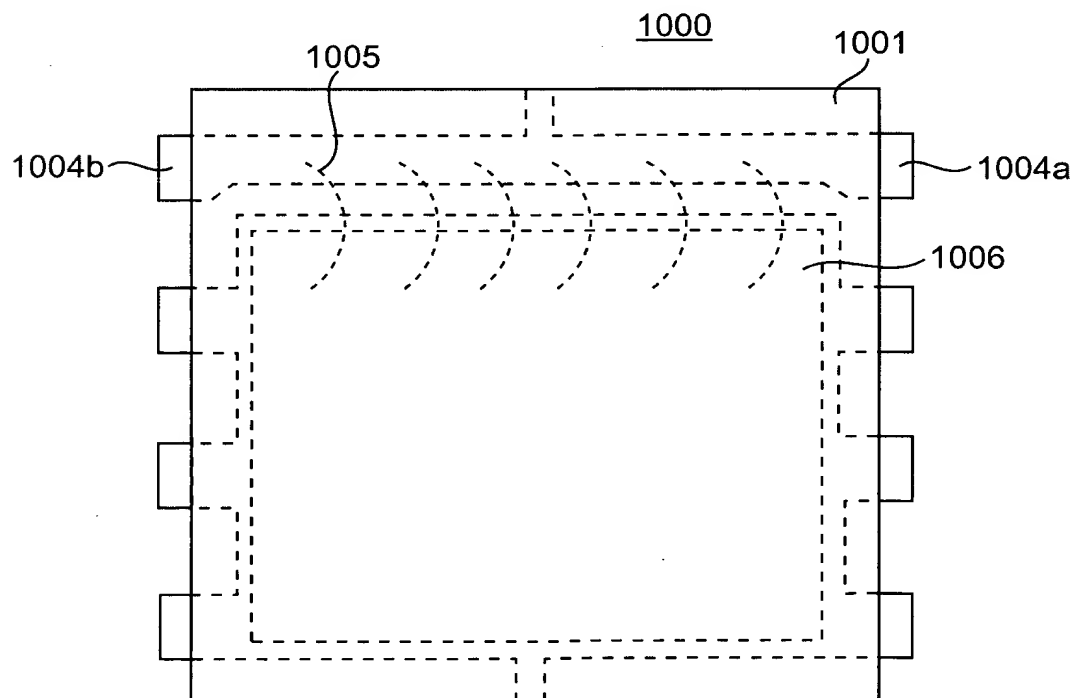


FIG. 10



Title: Improved Surface Mount
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Inventors: James Harnden et al.
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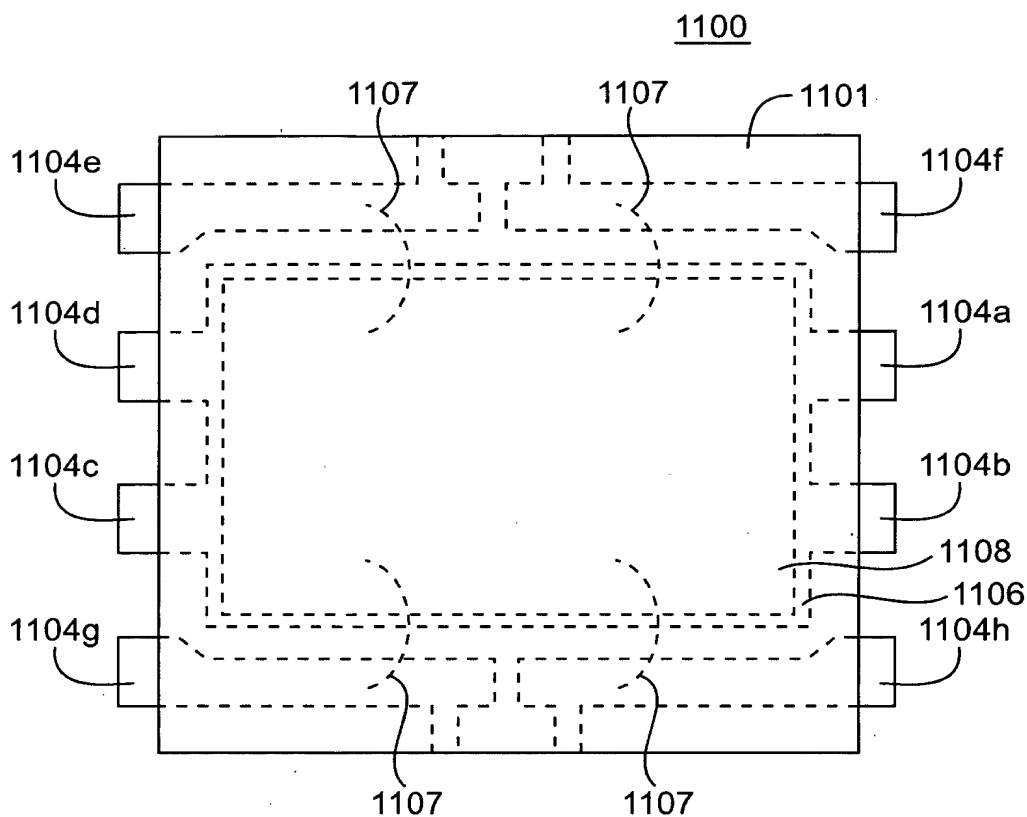


FIG. 11



Title: Improved Surface Mount
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Inventors: James Harnden et al.
Application No.: 09/895,478
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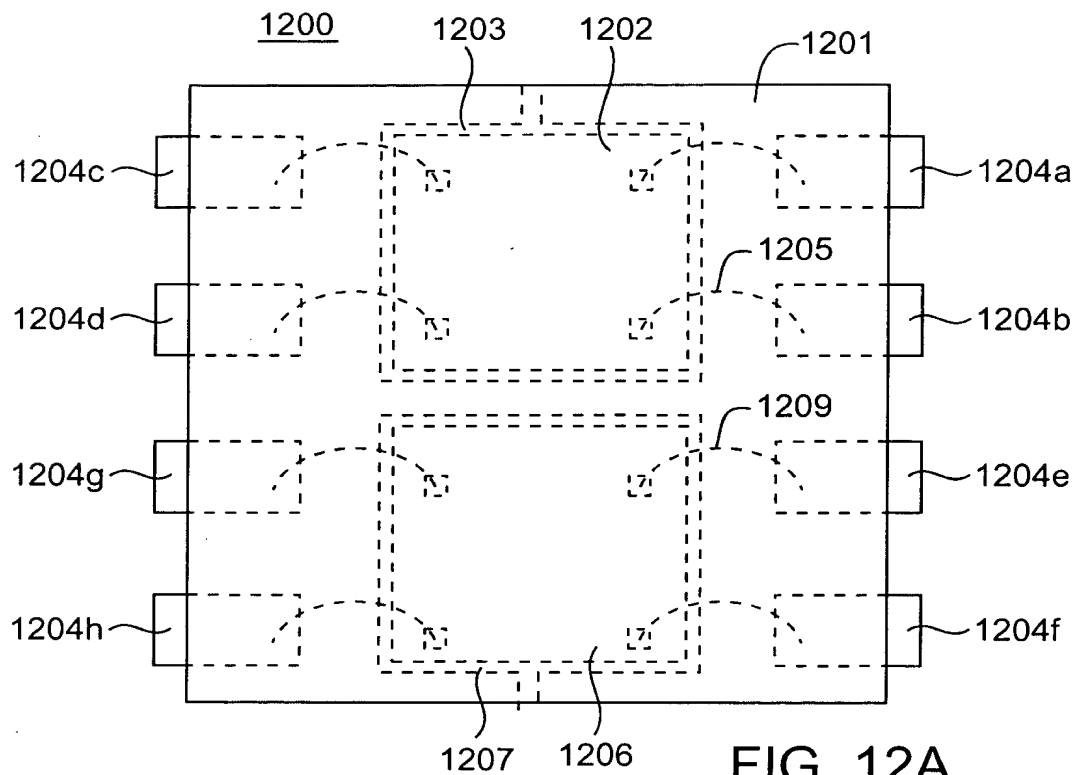


FIG. 12A

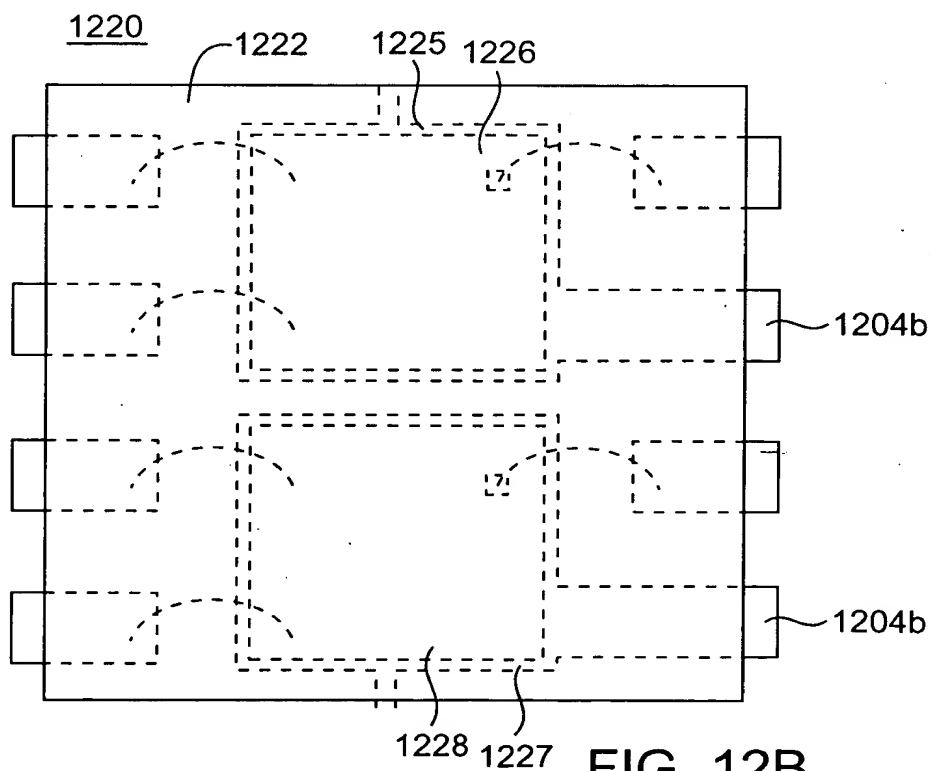


FIG. 12B

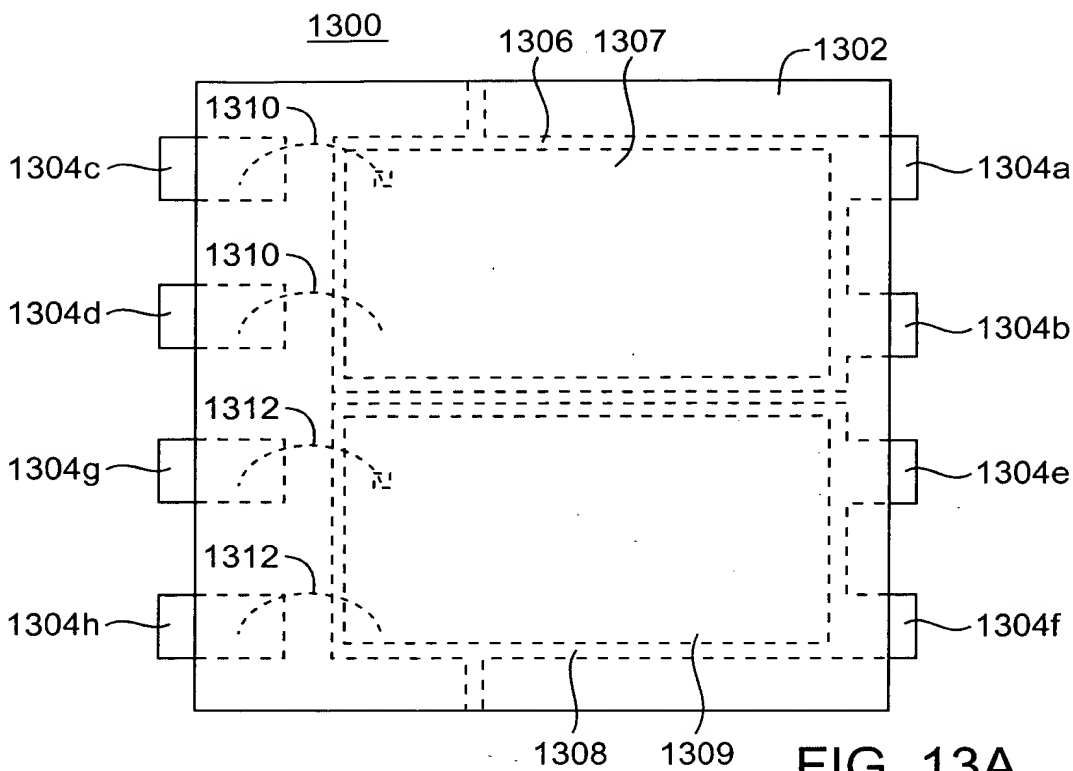


FIG. 13A

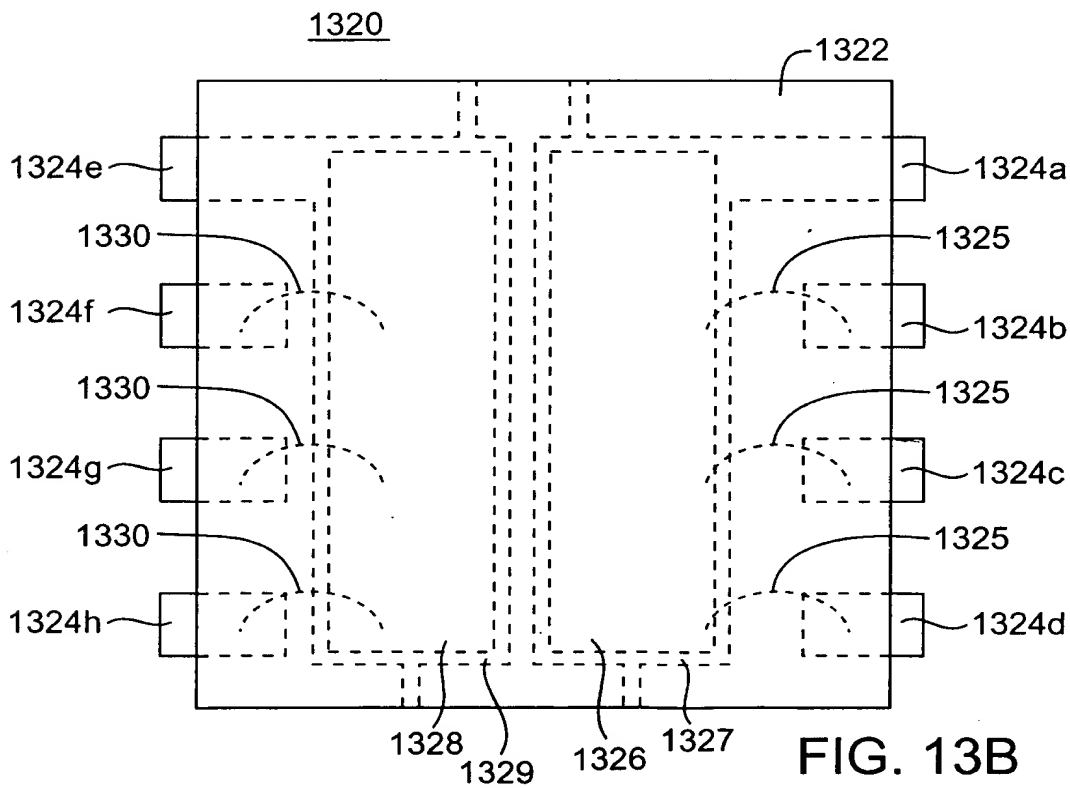
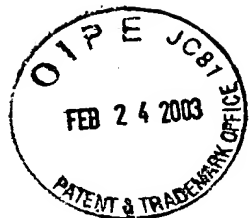


FIG. 13B



+

Package		LXW(mm)		(JW = J-lead/Wide Body)
SO-8		4 .83X6 .00		SO-8JW
MSOP-8		3 .05X4 .9		MSOP-8JW
SC-59		3 .05X2 .85		SC-59JW
TSOP-6		3 .05X2 .85		TSOP-6JW
TSOP-8		3 .05X2 .85		TSOP-8JW
SOT-23		3.0X2.5		SOT-23JW
SC-70		2 .0X2 .1		SC-70JW
SC-70-8		2 .0X2 .1		SC70-8JW

FIG. 14

+



Title: Improved Surface Mount
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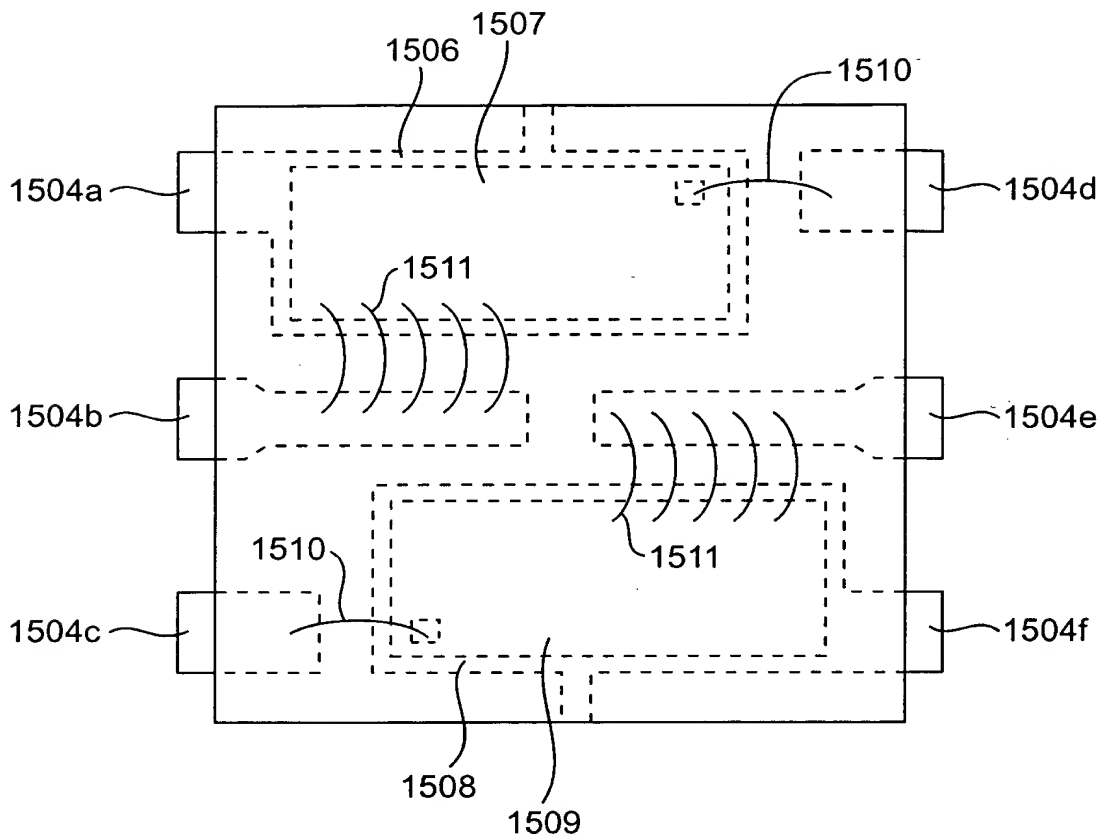


FIG. 15



Title: Improved Surface Mount
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Inventors: James Harnden et al.
Application No.: 09/895,478
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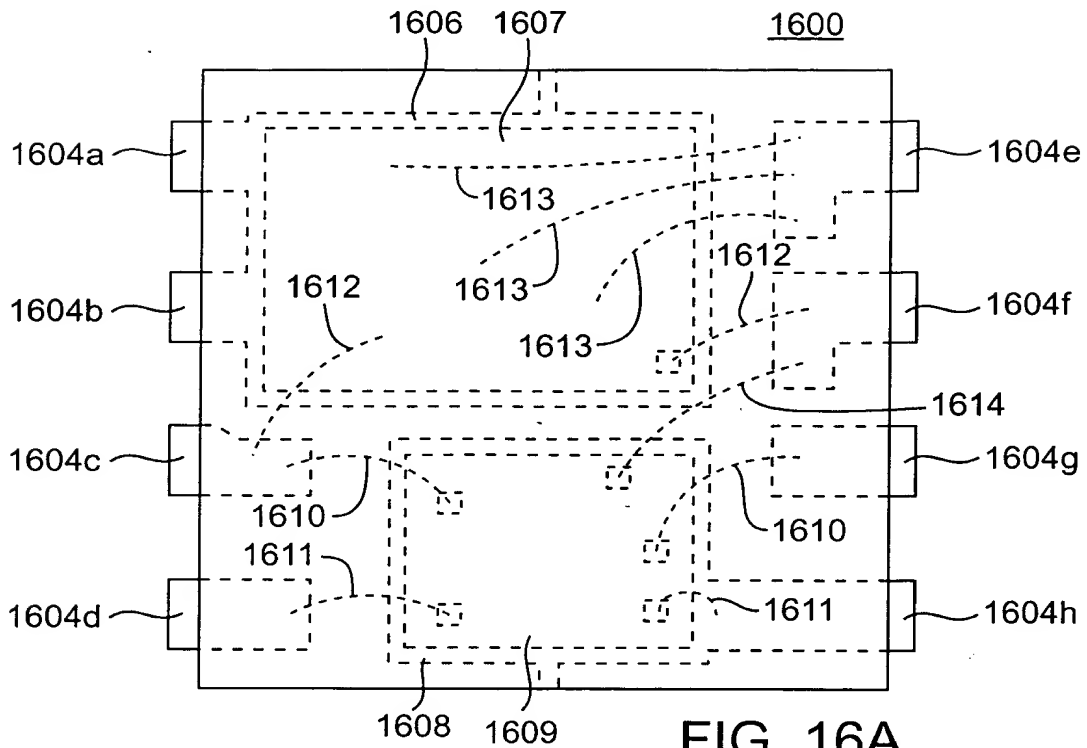


FIG. 16A

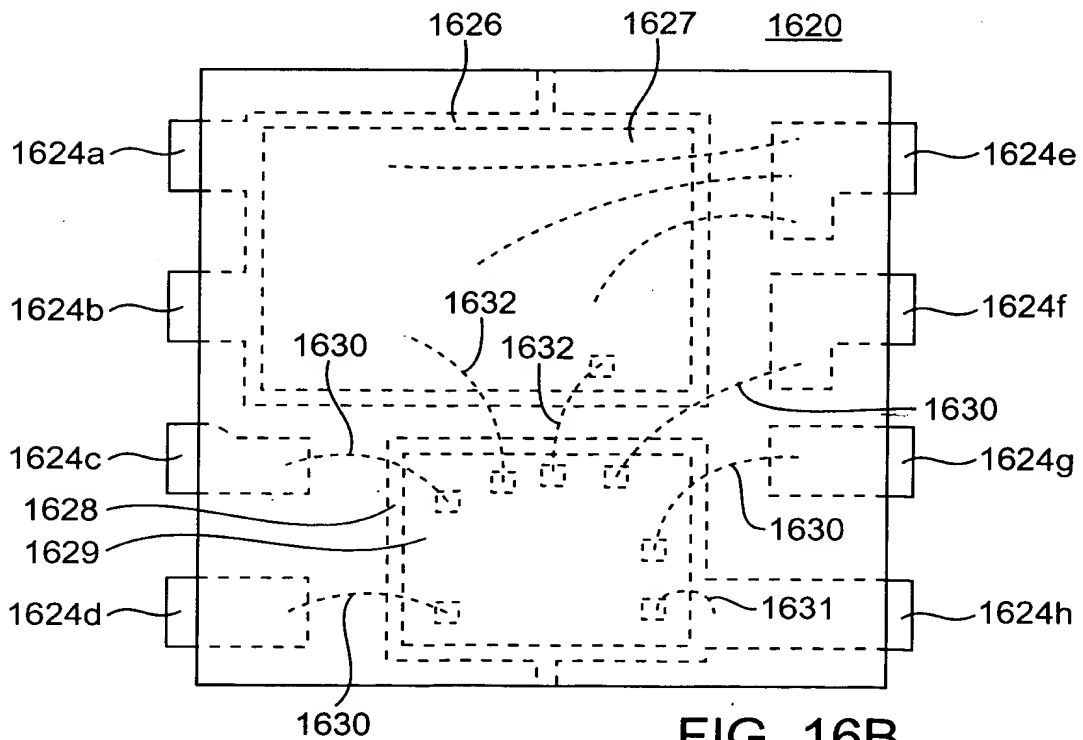
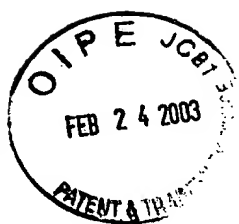


FIG. 16B



Title: Improved Surface Mount
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Inventors: James Harnden et al.
Application No.: 09/895,478
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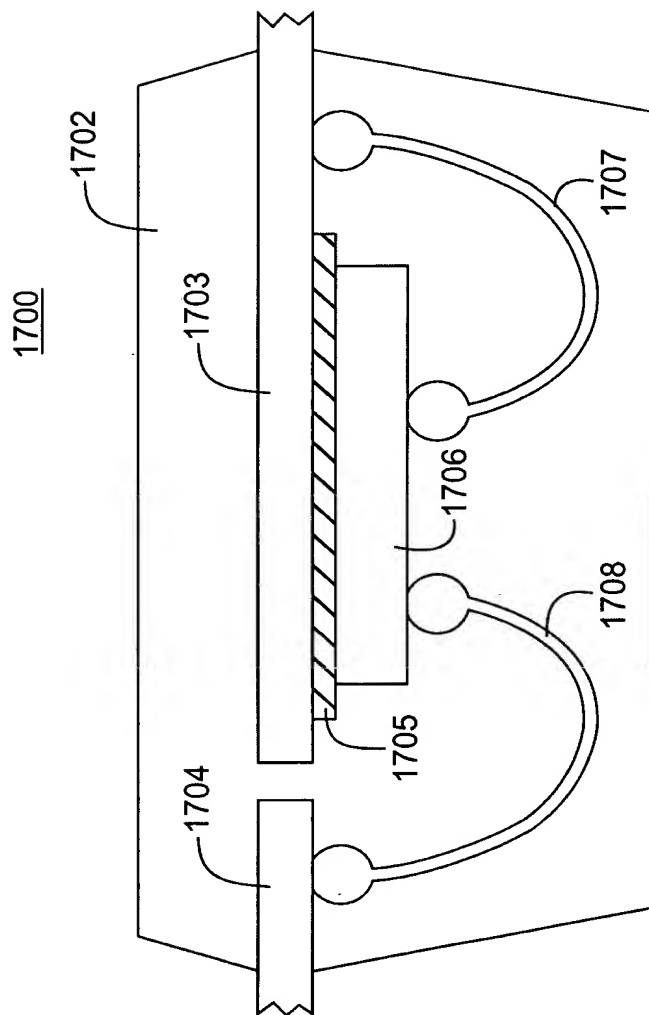


FIG. 17



Title: Improved Surface Mount
 Package: James Harnden et al.
 Inventors: James Harnden et al.
 Application No.: 09/895,478
 Attorney Docket: 020964-000210US
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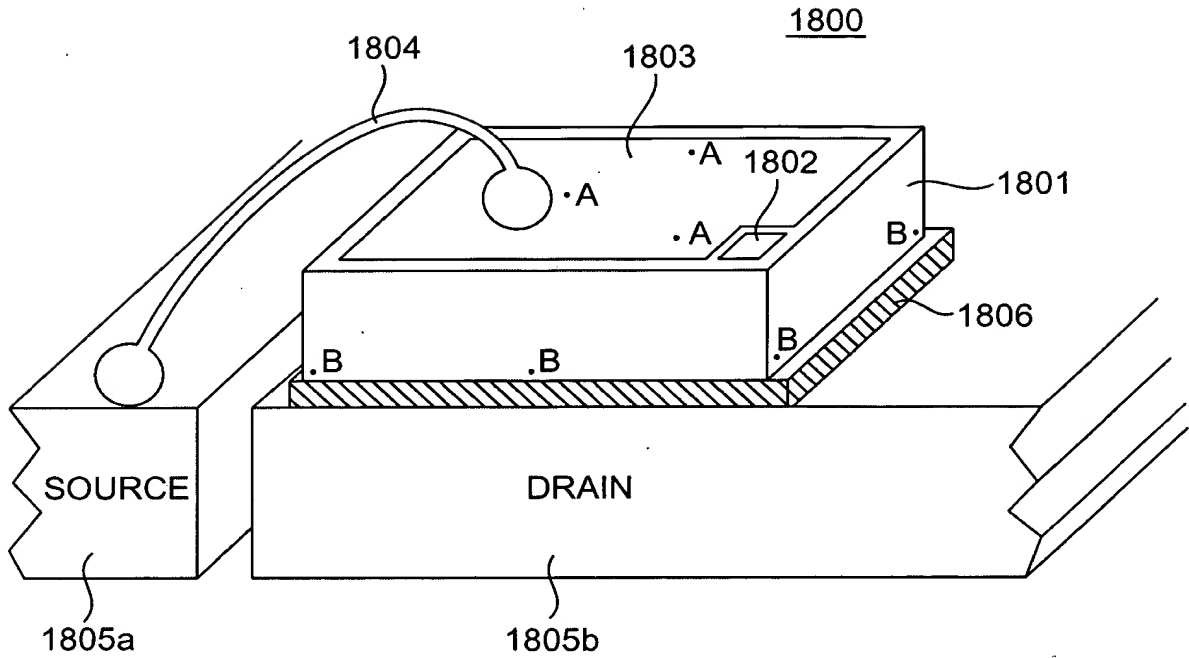


FIG. 18A

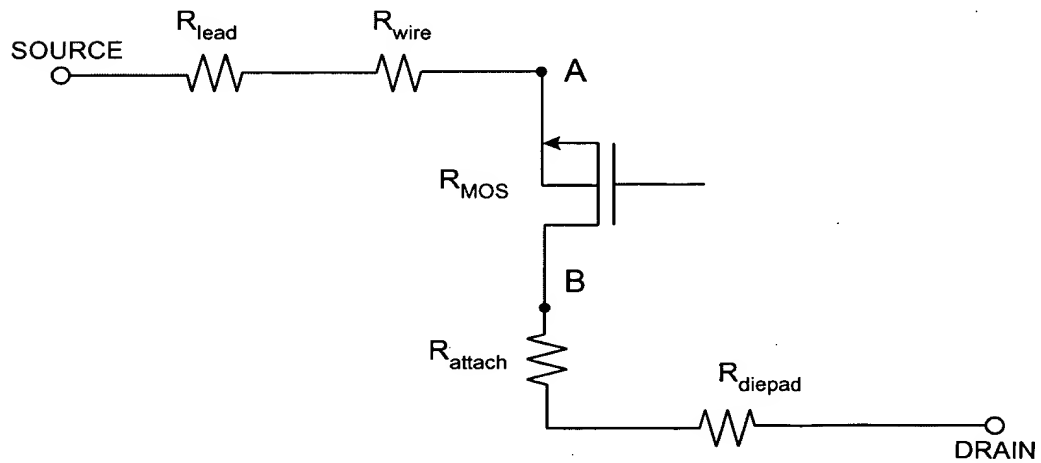


FIG. 18B



Title: Improved Surface Mount
Package:
Inventors: James Harnden et al.
Application No.: 09/895,478
Attorney Docket: 020964-000210US
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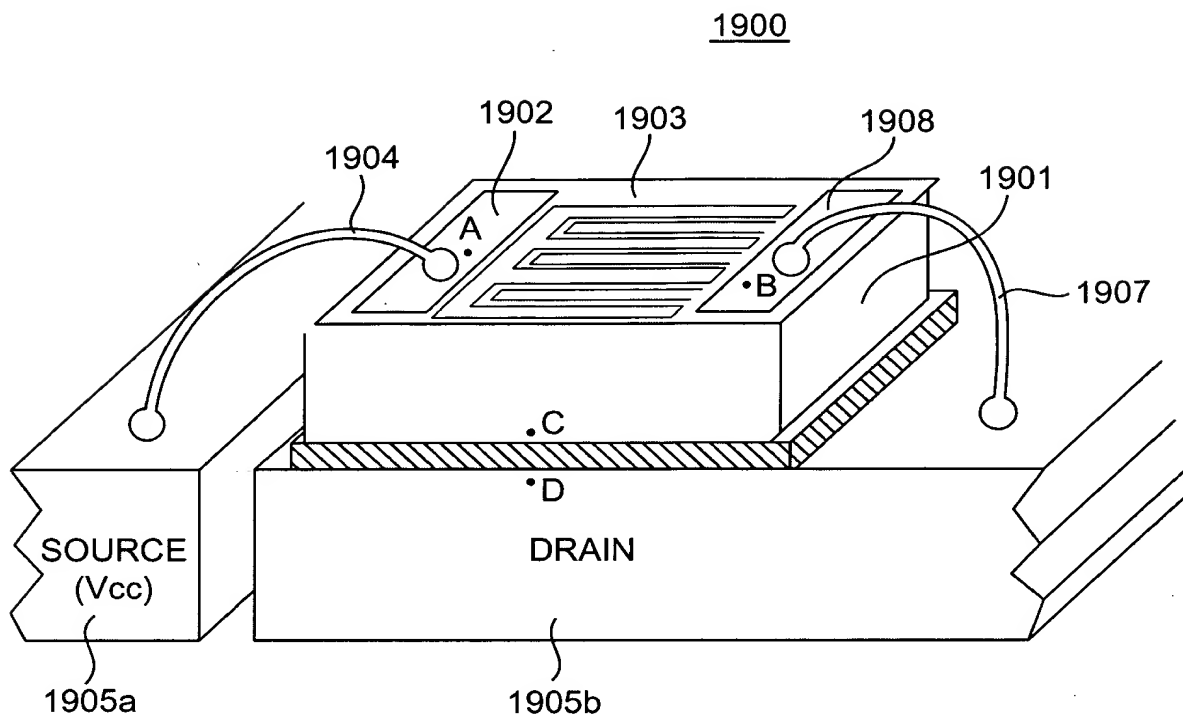


FIG. 19A

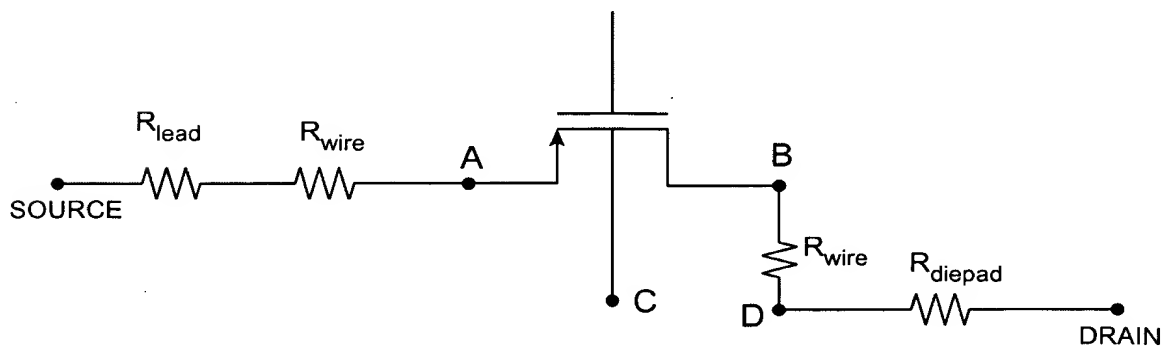


FIG. 19B



Title: Improved Surface Mount
Package
Inventors: James Harnden et al.
Application No.: 09/895,478
Attorney Docket: 020964-000210US
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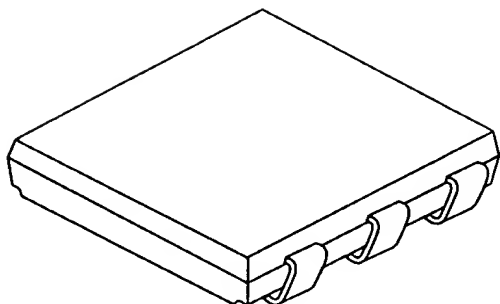


FIG. 20A

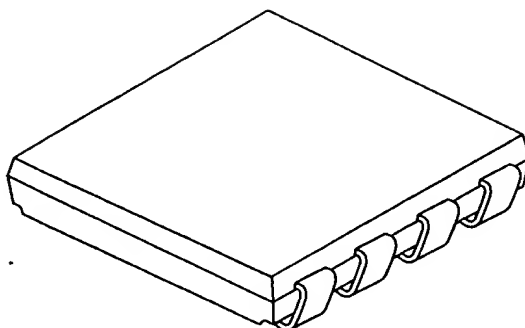


FIG. 20B

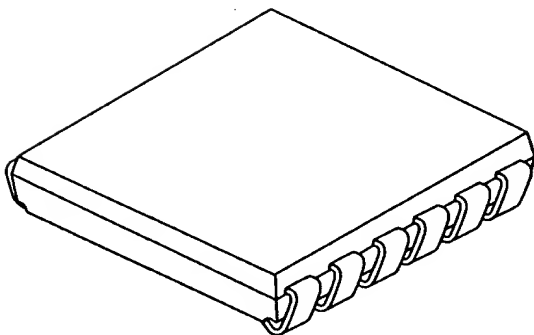


FIG. 20C

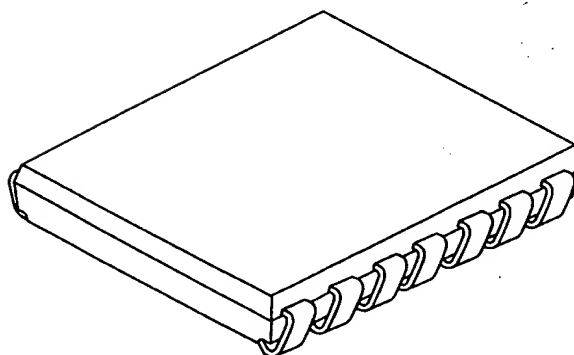


FIG. 20D



Title: Improved Surface Mount
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Inventors: James Harnden et al.
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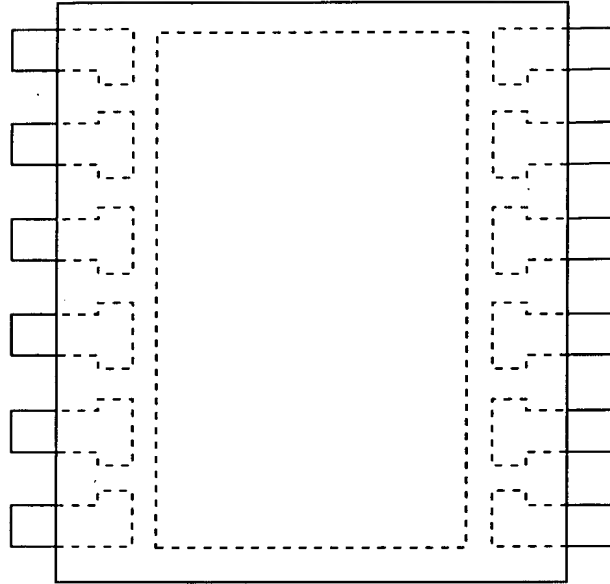


FIG. 20E

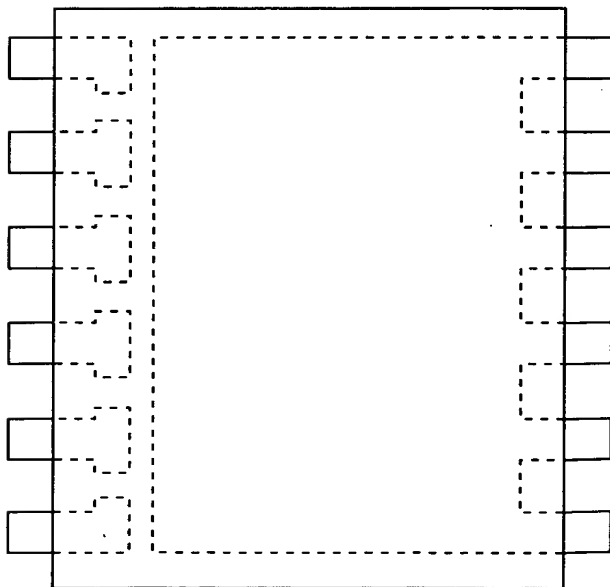


FIG. 20F



Title: Improved Surface Mount
Package
Inventors: James Harnden et al.
Application No.: 09/895,478
Attorney Docket: 020964-000210US
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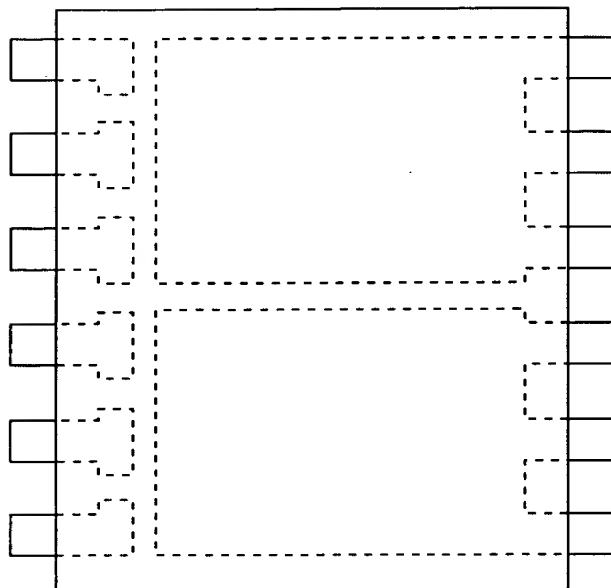


FIG. 20G

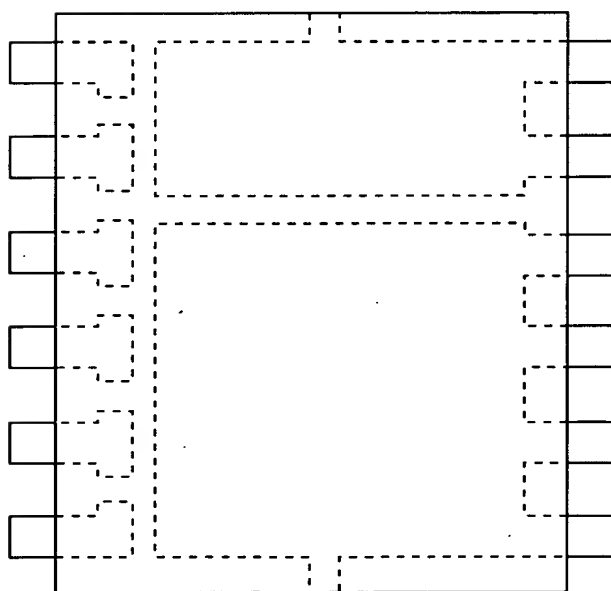
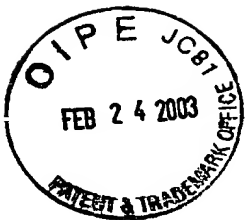


FIG. 20H



Title: Improved Surface Mount
Package
Inventors: James Harnden et al.
Application No.: 09/895,478
Attorney Docket: 020964-000210US
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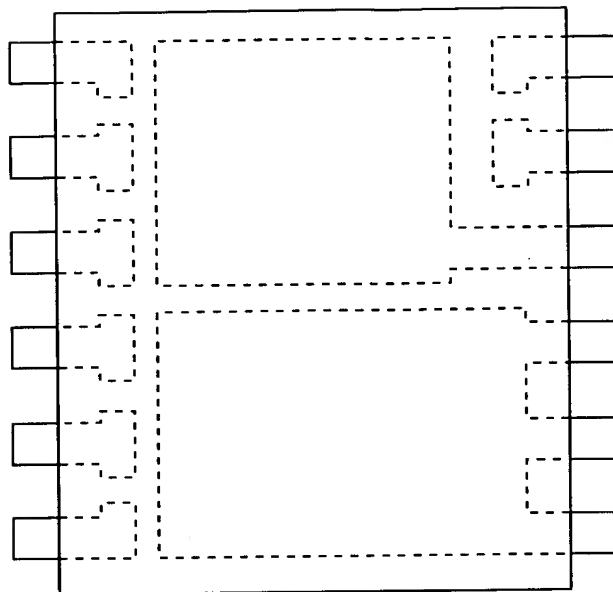


FIG. 20I

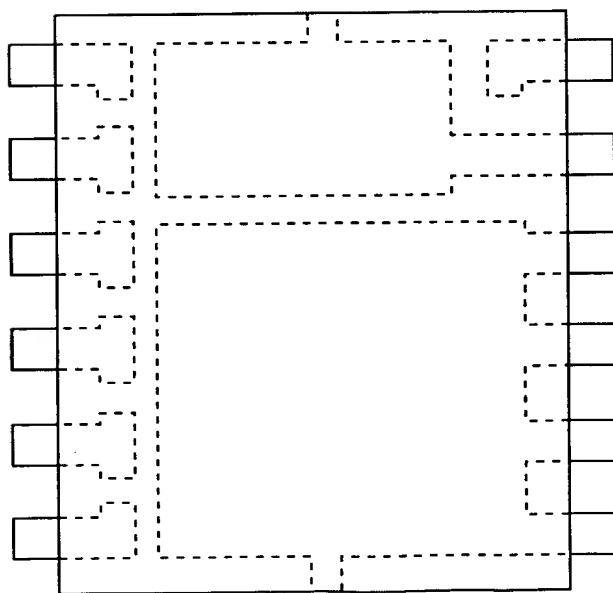
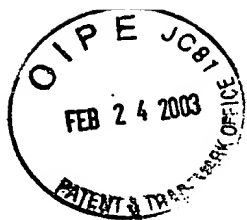


FIG. 20J



Title: Improved Surface Mount
Package: -
Inventors: James Harnden et al.
Application No.: 09/895,478
Attorney Docket: 020964-000210US
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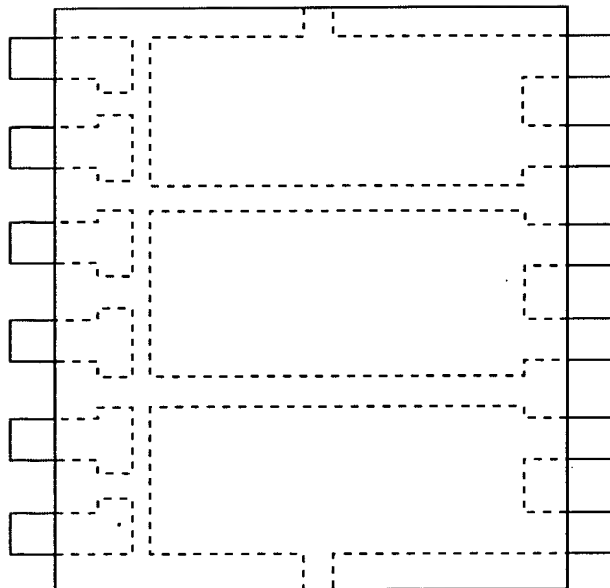


FIG. 20K

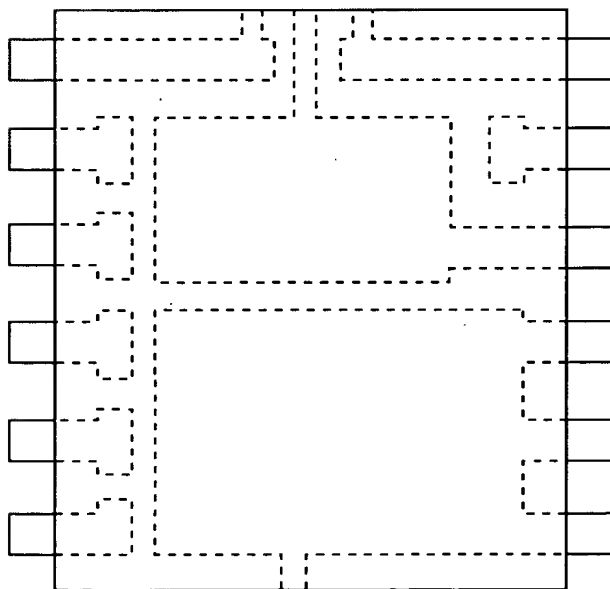


FIG. 20L



Title: Improved Surface Mount
Package: -
Inventors: James Harnden et al.
Application No.: 09/895,478
Attorney Docket: 020964-000210US
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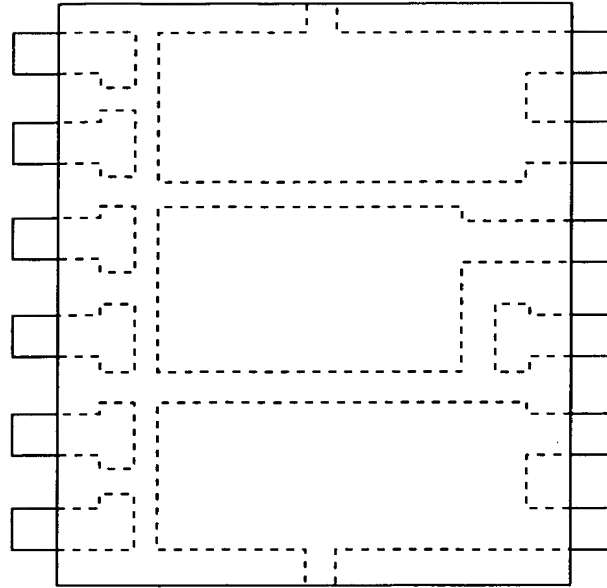


FIG. 20M

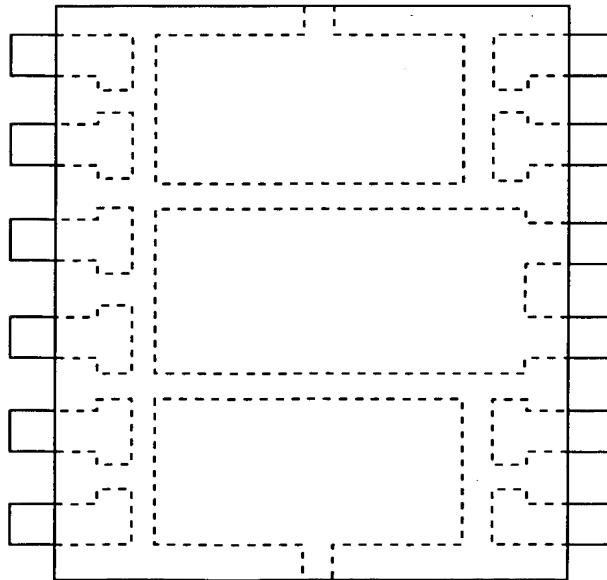


FIG. 20N



Title: Improved Surface Mount
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Inventors: James Harnden et al.
Application No.: 09/895,478
Attorney Docket: 020964-000210US
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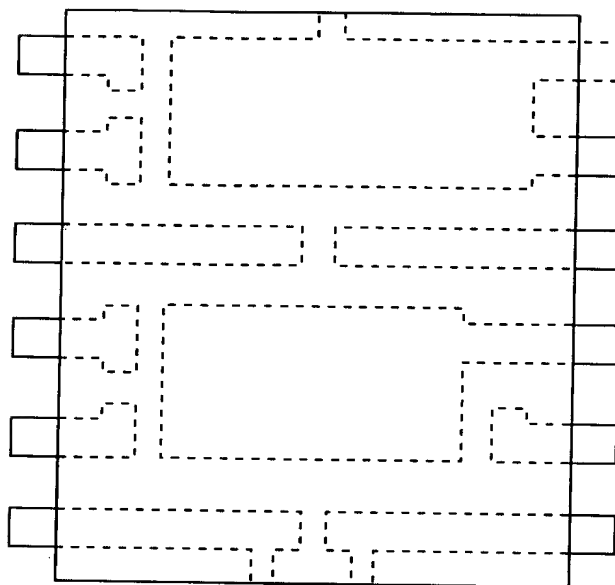


FIG. 200



Title: Improved Surface Mount
Package Inventors: James Harnden et al.
Application No.: 09/895,478
Attorney Docket: 020964-000210US
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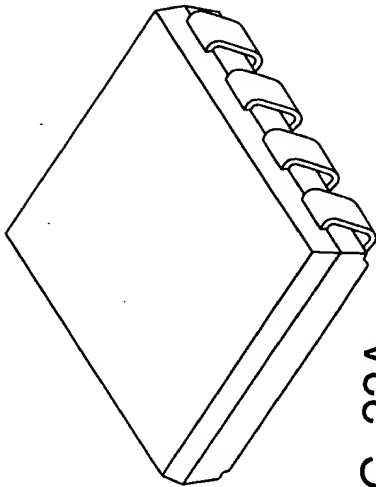


FIG. 22A

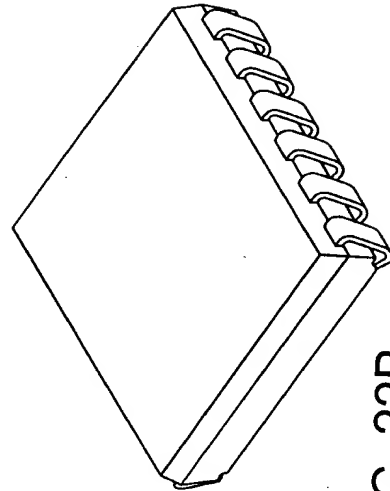


FIG. 22B

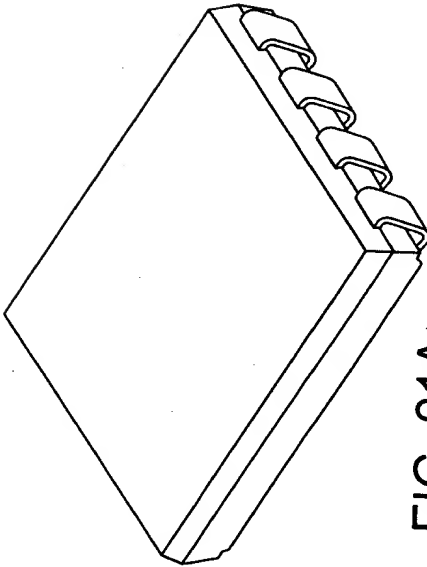


FIG. 21A

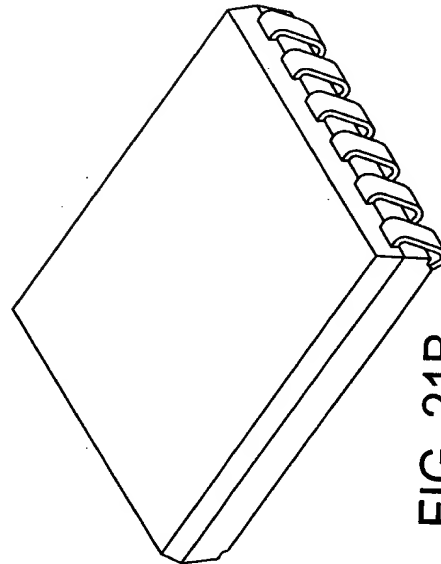


FIG. 21B